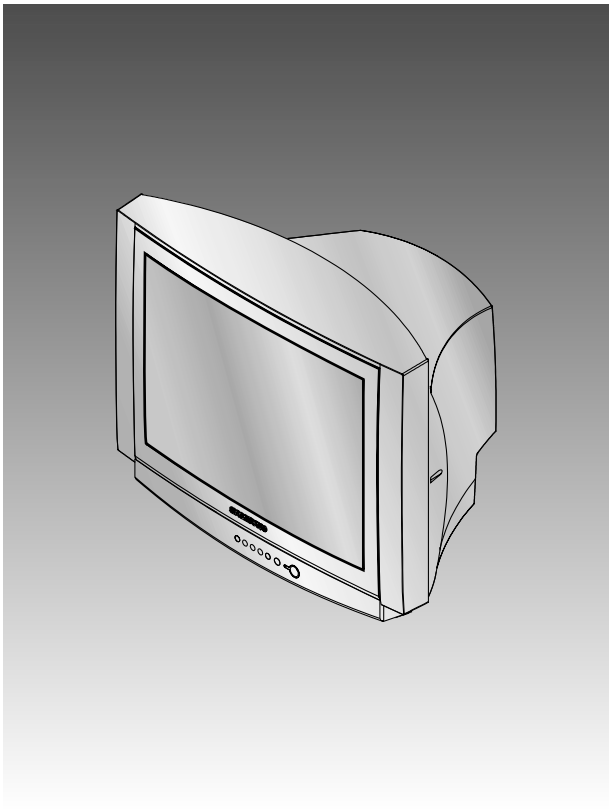
SAMSUNG

COLOR TELEVISION RECEIVER

Chassis : **S56A(P)**
Model: **CS21K5NLX/XTT**
CS29D8NTPX/SAP

SERVICE Manual

COLOR TELEVISION RECEIVER



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1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

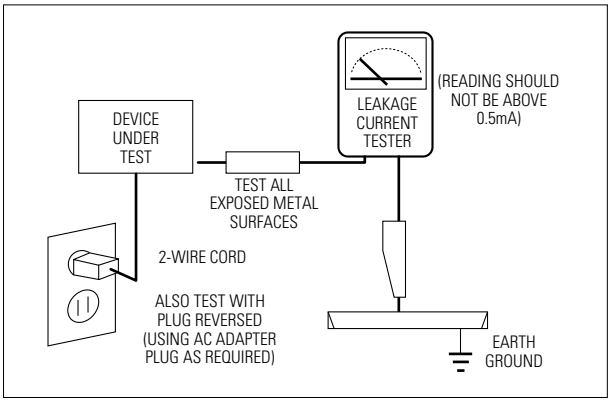

DEVICE UNDER TEST
LEAKAGE CURRENT TESTER
(READING SHOULD NOT BE ABOVE 0.5mA)
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.
   Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced.
   (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the X–ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚡) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications.
    A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.
Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor (“solid state”) devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semicon ductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as “anti-static”; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

2. Reference Information

2-1 Tables of Abbreviations and Acronyms

Table 2-1 Abbreviations

A	Ampere	MV	Megavolt
Ah	Ampere-hour	MW	Megawatt
Å	Angstrom	MΩ	Megohm
dB	Decibel	m	Meter
dBm	Decibel Referenced to One Milliwatt	µA	Microampere
		µF	Microfarad
°C	Degree Celsius	µH	Microhenry
°F	Degree Fahrenheit	µm	Micrometer
°K	degree Kelvin	µs	Microsecond
F	Farad	µW	Microwatt
G	Gauss	mA	Milliampere
GHz	Gigahertz	mg	Milligram
g	Gram	mH	Millihenry
H	Henry	ml	Milliliter
Hz	Hertz	mm	Millimeter
h	Hour	ms	Millisecond
ips	Inches Per Second	mV	Millivolt
kWh	Kilowatt-hour	nF	Nanofarad
kg	Kilogram	Ω	Ohm
kHz	Kilohertz	pF	Picofarad
kΩ	Kilohm	lb	Pound
km	Kilometer	rpm	Revolutions Per Minute
km/h	Kilometer Per Hour	rps	Revolutions Per Second
kV	Kilovolt	s	Second (Time)
kVA	Kilovolt-ampere	V	Volt
kW	Kilowatt	VA	Volt-ampere
l	Liter	W	Watt
MHz	Megahertz	Wh	Watt-hour

Table 2-2 Table of Acronyms

ABL	Automatic Brightness Limiter
AC	Alternating Current
ACC	Automatic Chroma Control
AF	Audio Frequency
AFC	Automatic Frequency Control
AFT	Automatic Fine Tuning
AGC	Automatic Gain Control
AM	Amplitude Modulation
ANSI	American National Standards Institute
APC	Automatic Phase Control
APC	Automatic Picture Control
A/V	Audio-Video
AVC	Automatic Volume Control
BAL	Balance
BPF	Bandpass Filter
B-Y	Blue-Y
CATV	Community Antenna Television (Cable TV)
CB	Citizens Band
CCD	Charge Coupled Device
CCTV	Closed Circuit Television
Ch	Channel
CRT	Cathode Ray Tube
CW	Continuous Wave
DC	Direct Current
DVM	Digital Volt Meter
EIA	Electronics Industries Association
ESD	Electrostatic Discharge
ESD	Electrostatically Sensitive Device
FBP	Feedback Pulse
FBT	Flyback Transformer
FF	Flip-Flop
FM	Frequency Modulation
FS	Fail Safe
GND	Ground
G-Y	Green-Y
H	High
HF	High-Frequency
HI-FI	High Fidelity
IC	Inductance-Capacitance
IC	Integrated Circuit
IF	Intermediate Frequency
I/O	Input/output
L	Left
L	Low
LED	Light Emitting Diode
LF	Low Frequency
MOSFET	Metal-Oxide-Semiconductor-Field-Effect-Tr
MTS	Multi-channel Television Sound
NAB	National Association of Broadcasters
NEC	National Electric Code
NTSC	National Television Systems Committee
OSD	On Screen Display
PCB	Printed Circuit Board
PLL	Phase-Locked Loop
PWM	Pulse Width Modulation
QIF	Quadrature Intermediate Frequency
R	Right
RC	Resistor & Capacitor
RF	Radio Frequency
R-Y	Red-Y
SAP	Second Audio Program
SAW	Surface Acoustic Wave(Filter)
SIF	Sound Intermediate Frequency
SMPS	Switching Mode Power Supply
S/N	Signal/Noise
SW	Switch
TP	Test Point
TTL	Transistor Transistor Logic
TV	Television
UHF	Ultra High Frequency
UL	Underwriters Laboratories
UV	Ultraviolet
VCD	Variable-Capacitance Diode
VCO	Voltage Controlled Oscillator
VCXO	Voltage Controlled Crystal Oscillator
VHF	Very High Frequency
VIF	Video Intermediate Frequency
VR	Variable Resistor
VTR	Video Tape Recorder
VTVM	Vacuum Tube Voltmeter
TR	Transistor

2-2 IC Line Up

Table 2 - 3 IC Line - Up

LOC. NO	DESCRIPTION	SPEC	REMARK
D407	FMP-3FU, 1.5KV, 5A, TO-3PF, ST	DIODE-RECTIFIER	OPTION
D801S	D5SB60, 600V, 6A, SIP-4	DIODE-BRIDGE	
D803	FMG-G2CS, 1000V, 3A, TO-220F, ST	DIODE-RECTIFIER	
D805	BRIDGE, A62-00045A, D06U20S, DREAM	ASSY H/S	
HC101	PAP103T, STP, 6P, PRE-AMP, TP	IC HYBRID	OPTION
IC201S	TDA959XPS/N1/3I, OTP, 64P, ST, SDIP	IC MICOM	OPTION
IC202	C81DC, 1028x8Bit, 8P, 100mS, 5V, PLASTIC, 10uA, CMOS	IC-EEPROM	OPTION
IC301	POWER, AA62-00056A, LA7845	ASSY H/S	
IC501	VIDEO, AA62-30175D, TDA607Q	ASSY H/S	
IC601	TDA7297, AA62-30182E	ASSY H/S	
IC602	MSP3410D-CS, SDIP, 52P, 8V, 1.2W, SOUND PROCESSOR	IC-SOUND PROCESSOR	OPTION
IC631	7042, TO-92, 3P, 177MIL, PLASTIC, 4	IC-VOL, DETECTOR	
IC701	NJM2246D, 3-INPUT, DIP, 8P, 300MIL	IC-VIDEO SWITCH	
IC801S	POWER, AA62-30181K, 5Q1265RT	ASSY H/S	
IC802	POWER, AA62-30184A, KA7632	ASSY H/S	
IC852	431, TO-92, 3P, 4.58MIL, PLASTIC, 2	IC-POSI.ADJUST REG.	
ICE01	393, DIP, 8P, 300MIL, DUAL, 36V, CMO	IC-VOTAGE COMP.	OPTION
PC801S	TR, 130-260%, 200mW, DIP-4, ST	PHOTO-COUPLER	
PT801S	4.50HM, +30/-20%, 220V, 290VAC, 21A, -, TR	THERMISTOR-PTC	
Q401	POWER AA62-00057A, KSD5703, WASHER-TR	ASSY H/S	
Q403	KSC2073-H2, NPN, 25W, TO-220, TP, 40-24	TR-POWER	OPTION
Q804	KA614, PNP, 25W, TO-220, TP, 40-24	TR-POWER	
QE01	IRF620, N, 200V, 5A, 0.8ohm, 50W, TO	FET-SILICON	OPTION
RL801S	12VDC, 500mW, 10A, 1FormA, 15mS, 5m	RELAY-POWER	OPTION
SF101S	38.9MHz, SIP5K, ST, 17.9dB, B/G, D/K, I, M/N	FILTER-SAW AV	OPTION
SF102S	38.9MHz, SIP5K, ST, 18dB, B/G, L/L', M/N, 42dB	FILTER-SAW AV	OPTION
SW801S	250V, 5A, DPST, -, JPW-2104B	SWITCH-PUSH	
T401	80mH, 520uH, E119	TRANS-HORIZ,DRIVE	OPTION
T444S	FUH-29A001B(S), 25/29", 130	TRANS FBT	OPTION
T801S	CS21S5T, 80~280V. PM5, PL5, EER4245, 470UH, 125/16/9	TRANS SWITCHING	OPTION
TU01S	TEDE9-203A, PAL, 181CH, 38.9MHz, 750ohm, DIN, ASYMM, 5V	TUNER	OPTION

Table 2-3-1 UOC

SPEC	FUNCTION	REMARK
TDA9592	50Hz, W/O TTX	
TDA9594	50Hz, With TTX 10page	

Table 2-3-2 SOUND IC

SPEC	FUNCTION	REMARK
MSP3400D	Multistandard, A2 Stereo, Equalizer, 2 Scart, RCA9P	
MSP3410D	Multistandard, A2 Stereo, Nicam, Equalizer, 2 Scart, RCA9P	

Table 2-3-3 SOUND AMP

SPEC	FUNCTION	REMARK
TDA7297	15W x 2CH, 10W x 2CH, 5W x 2CH	

Table 2-3-4 TUNER

SPEC	FUNCTION	REMARK
TECC0949PG35A	Without LNA	SAMSUNG
TEDE9-203A	Without LNA	LG
TAEL-G671D	With LNA	ALPS

Table 2-3-5 VIDEO OUTPUT AMP

SPEC	FUNCTION	REMARK
TDA6107Q	25" Normal 29" Normal	
TDA6108JF	21" Flat 25" Flat	

3. Specifications

Television System	CS	PAL, SECAM-B/G, D/K, I, NT4.43, NT3.58			
	CZ	PAL, SECAM-B/G, D/K, NT4.43			
	CW	PAL, SECAM-B/G, D/K, I, NT4.43, NT3.58			
	CB	PAL, SECAM-B/G, D/K, I, NT4.43, NT3.58			
	CI	PAL, SECAM-B/G, D/K, I, NT4.43, NT3.58			
	CII	PAL, SECAM-B/G, D/K, I, NT4.43, NT3.58			
	CX	PAL, SECAM-B/G, D/K, I, NT4.43, NT3.58			
	CK	PAL, SECAM-B/G, D/K, I, NT4.43. NT3.58			
Channels	Band	System			
		PAL, SECAM-B/G,I	PAL, SECAM-B/G,I	PAL, SECAM-B/G,I	PAL, SECAM-B/G,I
	VHF	02 - 12	01 - 13	02 - 09	02 - 13
	UHF	21 - 69	21 - 69	13 - 57	14 - 69
Intermediate Frequency	IF Carrier	System			
	Frequency	PAL, SECM -B/G	PAL, SECAM-D/K,K1	PAL-I	NTSC-M
	Picture	38.90[MHz]	38.90[MHz]	38.90[MHz]	45.75[MHz]
	Sound	33.40[MHz]	32.40[MHz]	32.90[MHz]	41.25[MHz]
	Chroma	34.47[MHz]	34.47[MHz]	34.47[MHz]	42.18[MHz]
Power	AC100~240V, 50/60Hz				
Antenna	VHF, UHF : Telescopic dipole antenna)(75ohm unbalanced type)				

MEMO

4. Alignment and Adjustments

4-1 General Alignment Instructions

1. Usually, a color TV-VCR needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync and focus.

2. Observe the picture for good black and white details. There should be objectionable color shading; if color shading is present, demagnetize, perform purity and convergence adjustments described below.

3. Use the specified test equipment or its equivalent.

4. Correct impedance matching is essential.

5. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test results.

6. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.

7. Do not attempt to connect or disconnect any wires while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.

8. To protect against shock hazard, use an isolation transformer.

4-2 Automatic Degaussing

A degaussing coil is mounted around the picture tube, so that external degaussing after moving the TV should be unnecessary. But the receiver must be properly degaussed upon installation.

The degaussing coil operates for about 1 second after the power is switched ON. If the set is moved or turned in a different direction, the power should be OFF for at least 10 minutes.

If the chassis or parts of the cabinet become magnetized, poor color purity will result. If this happens, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube and the sides and front of the receiver. Slowly withdraw the coil to a distance of about 6 feet before turning power OFF.

If color shading persists, perform the following Color purity and Convergence adjustments.

4-3 High Voltage Check

CAUTION : There is no high voltage adjustment on this chassis. The B+ power supply should be +135 volts (with full color- bar input and normal picture level).

1. Connect a digital voltmeter to the second anode of the picture tube.

2. Turn on the TV. Set the Brightness and Contrast controls to minimum (zero beam current).

3. Adjust the Brightness and contrast controls to both extremes. Ensure that the high voltage does not exceed 30 KV under any conditions.

4-4 FOCUS Adjustment

1. Iput a black and white signal.
2. Adjust the tuning control for the clearest picture.
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

4-5 Factory Adjustment

4-5-1 Service Mode

1. To enter the "Service Mode", Press the remote-control keys in this sequence :

   - If you do not have Factory remote-control

   - If you have Factory remote-control

4-5-2 Factoy Mode OSD

4-5-2(A) ADJUST

ADJUST
OPTION 52 2A 48
G2-ADJUST
RESET
SPM-836EAN 2002/02/08

AGC	33	STT	7	PWL	12	ETRP	32
SCT	13	AKB	0	AGN	1	VZ	58
SBT	9	PDL	15	PEK	2	SVM	0
BLR	31	NDL	10	ACL	0	VMA	0
BLB	27	PSR	15	FCO	0	DPSR	15
RG	32	NSR	10	SCBT	45	DNSR	10
GG	25	VOL	10	SSP	20	DSBT	7
BG	31	LCO	0	PSNS	1	DCDL	9
VSL	19	TXP	9	HPAR	32	DBLR	31
VS	38	MVOL	10	HBOW	32	DBLB	27
VA	40	FMWS	0	EWID	32		
HS	30	AGCS1	1	EPAR	32		
SC	24	OMD	26	EUCN	32		
CDL	9	SCL	1	ELCN	32		

OSD	Range	Register	Initial Value	Remark
AGC	0 ~ 63	1Eh(D5-D0)	33	RF AGC
SCT	0 ~ 23	1Dh	13	Sub contrast(high light adjustment)
SBT	0 ~ 23	1Bh	9	Sub brightness(low light adjustment)
BLR	0 ~ 63	14h(D5-D0)	31	Black level offset R(low light R adjustment)
BLB	0 ~ 63	15h(D5-D0)	27	Black level offset B(low light B adjustment)
RG	0 ~ 63	16h(D5-D0)	32	White point R(high light R adjustment)
GG	0 ~ 63	17h(D5-D0)	25	White point G(high light 25 fixed)
BG	0 ~ 63	18h(D5-D0)	31	White point B(high light B adjustment)
VSL	0 ~ 63	0Fh(D5-D0)	19	Vertical slope
VS	0 ~ 63	12h(D5-D0)	38	Vertical shift
VA	0 ~ 63	10h(D5-D0)	40	Vertical amplitude
HS	0 ~ 63	09h(D5-D0)	30	Horizontal shift
SC	0 ~ 63	0Fh(D5-D0)	24	S-correction
CDL	0 ~ 15	2Ah(D3-D0)	9	Cathode drive level
STT	0 ~ 7	08h	7	Sub tint(NTSC only)
AKB	0 ~ 1	2Ah(D4)	0	Black current stabilization
PDL	0 ~ 15	1Ah(D3-D0)	15	PAL Y-delay adjustment
NDL	0 ~ 15	1Ah(D3-D0)	10	NTSC Y-delay adjustment
PSR	0 ~ 23	1Ch	15	PAL sub color gain adjustment
NSR	0 ~ 23	1Ch	10	NTSC sub color gain adjustment
VOL	0 ~ 63	1Fh	10	Initial vol adjustment
LCO	0 ~ 1	27h(D7-D5)	0	PLL demodulator frequency adjust(0 : set)
TXP	0 ~ 15	87F2h(D5-D0)	9	TTX horizontal shift adjustment(Micom Memory Part)
MVOL	0 ~ 50	0h(D15-D0)	10	Melody initial vol adjustment(MSP34XX)
FMWS	0 ~ 1	29h(D5)	0	Narrow-band sound PLL window selection
AGCS1	0 ~ 3	28h(D2-D1)	1	IF AGC speed
OMD	0 ~ 63	05h(D5-D0)	26	Off-set IF demodulator
SCL	0 ~ 3	04h(D5-D4)	1	Soft clipping level
PWL	0 ~ 15	04h(D3-D0)	12	Peak white limiting
AGN	0 ~ 1	29h(D7)	1	FM demodulator gain
PEK	0 ~ 3	19h(D7-D6)	2	Peaking center frequency
ACL	0 ~ 1	20h(D1)	0	Automatic color limiting
FCO	0 ~ 1	21h(D0)	0	Forced color limiting
SCBT	0 ~ 63	1Bh	45	Screen brightness(different from INCH)
SSP	0 ~ 23	19h(D5-D0)	20	Sub Sharpness gain adjustment

OSD	Range	Register	Initial Value	Remark
PSNS	0 ~ 1	21h(D2)	1	Ident sensitivity PAL/NTSC decoder
HPAR	0 ~ 63	06h(D5-D0)	32	Horizontal parallelogram
HBOW	0 ~ 63	07(D5-D0)	32	Horizontal bow
EWID	0 ~ 63	0Ah(D5-D0)	32	EW width
EPAR	0 ~ 63	0Bh(D5-D0)	32	EW parabola
EUCN	0 ~ 63	0Ch(D5-D0)	32	EW upper corner parabola
ELCN	0 ~ 63	0Dh(D5-D0)	32	EW lower corner parabola
ETRP	0 ~ 63	0Eh(D5-D0)	32	EW tarpezium
VZ	0 ~ 63	13h(D5-D0)	32	Vertical zoom
SVM	0 ~ 3	2Dh(D5-D0)	0	Delay of RGB output to VM output
VMA	0 ~ 3	2Eh(D5-D0)	0	Ampulitude of SVM out
DPSR	0 ~ 23	1Ch	15	DVD PAL sub color gain adjustment
DNSR	0 ~ 23	1Ch	10	DVD NTSC sub color gain adjustment
DSBT	0 ~ 23	1Bh	7	DVD Sub brightness(low light adjustment)
DCDL	0 ~ 15	2Ah(D3-D5)	9	DVD Cathode drive level
DBLR	0 ~ 63	14h(D5-D0)	31	DVD Black level offset R(low light R adjustment)
DBLB	0 ~ 63	15h(D15-D0)	27	DVD Black level offset B(low light B adjustment)

4-5-2(B) OPTION

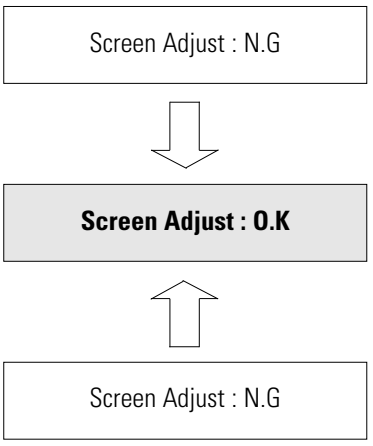
ADJUST
OPTION 52 2A 48
G2-ADJUST
RESET
SPM-836EAN 2002/02/08

No	Item	Initial value	Remark
1	LNA	OFF	CIS : ON
2	SYSTEM	CS	CS - CB -CD
3	AUDIO	MONO	MONO - MONO/BILI - L-STEREO - L-STEREO/BILI - STEREO - NICAM
4	JACK	RCA	RCA - SCART - RCA+DVD
5	ZOOM	NOR/ZOOM/16:9	NOR/ZOOM/16:9 - NOR/ZOOM
6	AUTO POWER	ON	ON(MUST OFF)
7	EW	ON	ON - OFF(21"F PIN FREE CRT OFF)
8	2nd SIF	ON	ON - OFF(QUEST OFF)
9	HOTEL MODE	OFF	OFF - ON(OPTION)
10	BKS	ON	ON - OFF(EUROPE OFF)
11	HIGH DEVIA	OFF	OFF(MUST OFF)
12	HELP MENU	ON	ON - OFF(EUROPE OFF)
13	LANGUAGE	EAST ASIA	EAST ASIA - CHINA
14	V-GUARD	OFF	OFF(MUST OFF)

4-5-2(C) G2-ADJUST

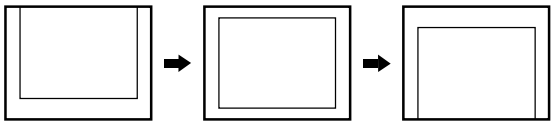
ADJUST
OPTION 52 2A 48
G2-ADJUST
RESET
SPM-836EAN 2002/02/08

☞ Entering G2-Adjust Mode Screen Adjust : Displyed As "NG".
→ Turn SCREEN VR OF FBT, Adjust Value Become To Be "OK".

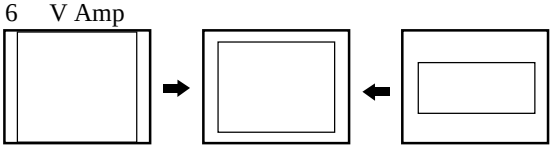


4-5-2(D) SCREEN CHANGE (I2C BUS GEOMETRIC ADJUSTMENT)

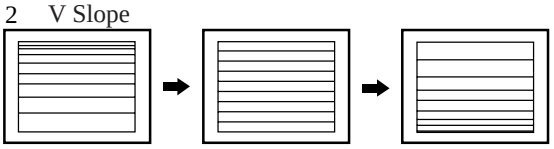
1 V Shift



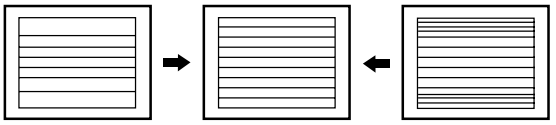
6 V Amp



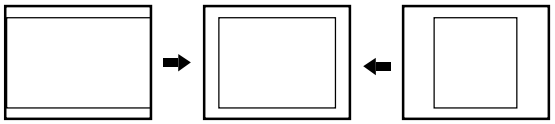
2 V Slope



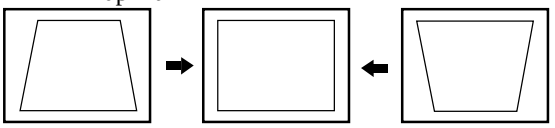
7 V SC



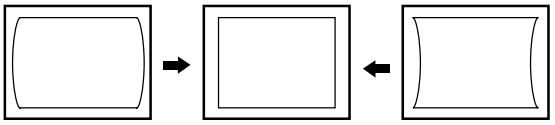
3 H EW



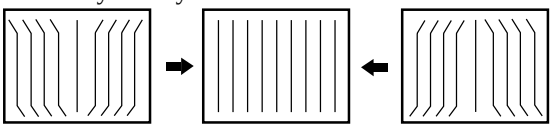
8 H Trapizium



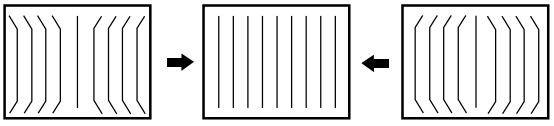
4 H Parabola



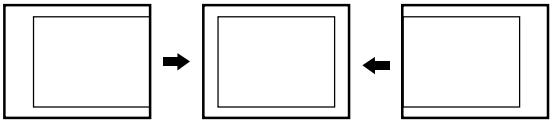
9 H Symmetry



5 H Corner



10 H Shift



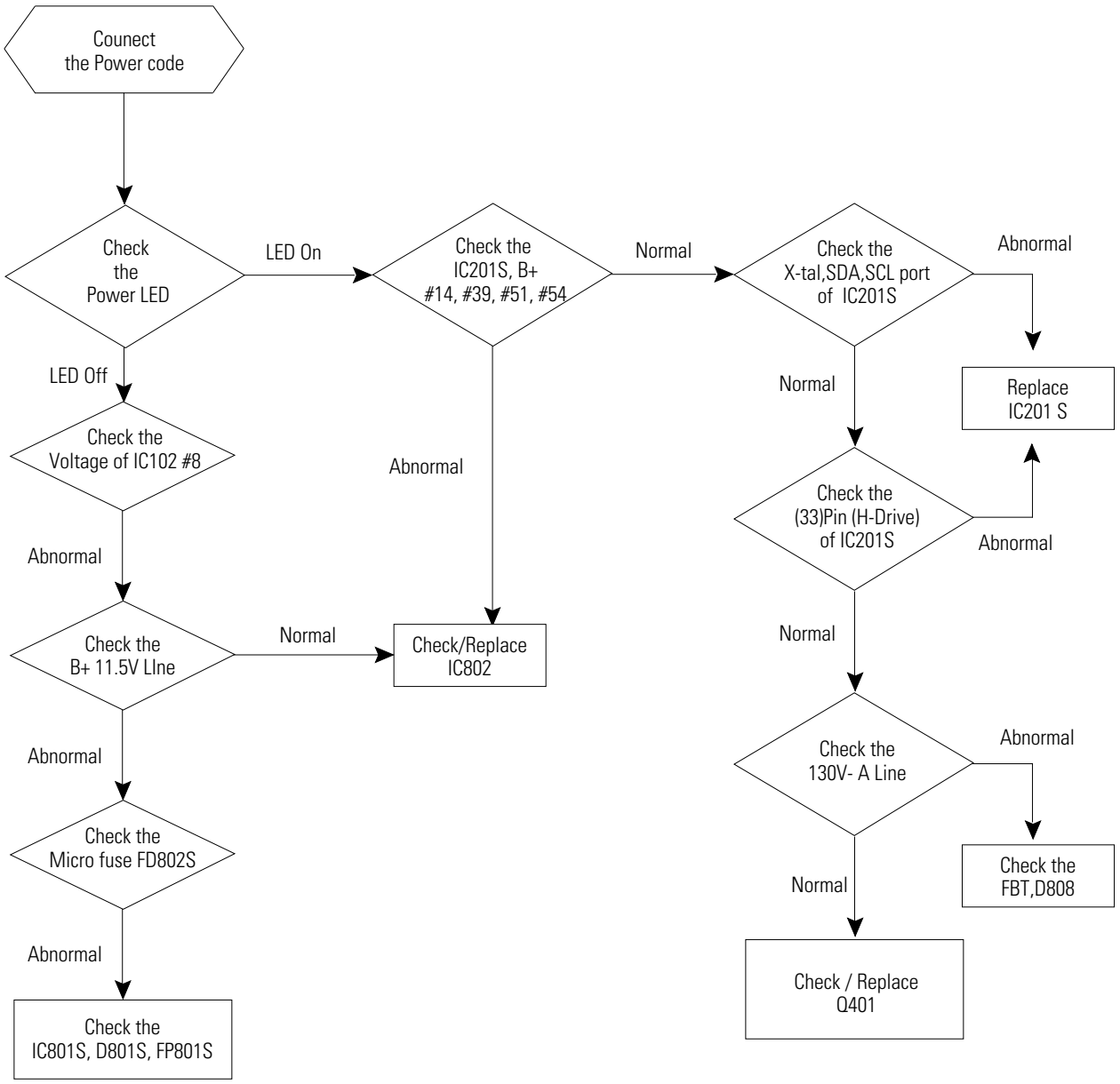
4-6 PIN ASSIGNMENT SPECIFICATION

PIN NO	SYMBOL	PIN FUNCTION	CHECK VOLTAGE	
			S-By	P-On
1	P1.3/T1	port 1.3 or Counter/Timer 1 input		
2	P1.6/SCL	port 1.6 or IIC-bus clock line		
3	P1.7/SDA	port 1.7 or IIC-bus data line		
4	P2.0/TPMW	port 2.0 or Tuning PWM output		
5	P3.0/ADC0	port 3.0 or ADC0 input		
6	P3.1/ADC1	port 3.1 or ADC1 input		
7	P3.2/ADC2	port 3.2 or ADC2 input		
8	P3.3/ADC3	port 3.3 or ADC3 input		
9	VSSC/P	digital ground for m-Controller core and periphery		
10	P0.5	port 0.5(8mA current sinking capability for direct drive of LEDs)		
11	P0.6	port 0.6(8mA current sinking capability for direct drive of LEDs)		
12	VSSA	digital ground of TV-processor		
13	SECPLL	SECAM PLL decoupling		
14	VP2	2nd supply voltage TV-processor(+8V)		
15	DECDIG	supply voltage decoupling of digital circuit of TV-processor		
16	PH2LF	phase-2 filter		
17	PH1LF	phase-1 filter		
18	GND3	ground 3 for TV-processor		
19	DECBG	bandgap decoupling		
20	EWD	East-West drive output		
21	VDRB	vertical drive B output		
22	VDRA	vertical drive A output		
23	IFIN1	IF input 1		
24	IFIN2	IF input 2		
25	IREF	reference current input		
26	VSC	vertical sawtooth capacitor		
27	AGCOUT	tuner AGC output		
28	SIFIN1/DVBIN1	SIF input 1 / DVB input 1		
29	SIFIN2/DVBIN2	SIF input 2 / DVB input 2		
30	GND2	ground 2 for TV processor		
31	SIFAGC/DVBAGCR	narrow band PLL filter		
32	REFO/AMOUT/REFIN	Automatic Volume Leveling/subcarr reference output/sound IF input/external reference signal input for I signal mixer for DVB operation		

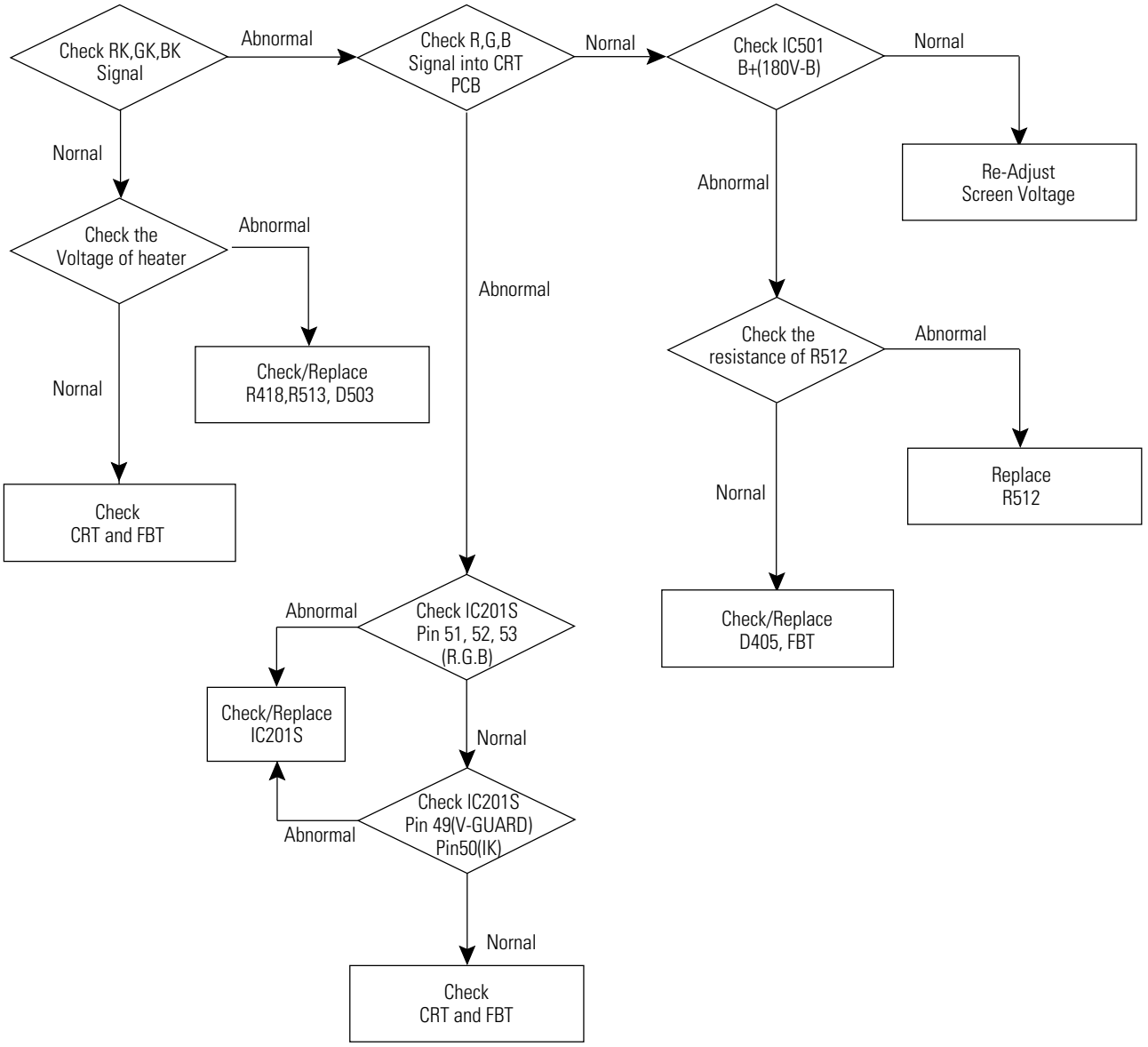
PIN NO	SYMBOL	PIN FUNCTION	CHECK VOLTAGE	
			S-By	P-On
33	HOUT	horizontal output		
34	FBISO	flyback input/sandcastle output		
35	QSSO/AMOUT	QSS intercarrier output/AM output in stereo applications or deemphasis(front-end audio out)/AM output in mono applications		
36	EHTO	EHT/overvoltage protection input		
37	PLLIF	IF-PLL loop filter		
38	IFVO/SVO/DVBO	AGC sound IF/inter-external AGC for DVB applications		
39	VP1	main supply voltage TV processor		
40	CVBS1	internal CVBS input		
41	GND	ground for TV processor		
42	CVBS/Y	CVBS3/Y input		
43	C	chroma input		
44	SVM	scan velocity modulation output		
45	INSSW2	2nd RGB/YUV insertion input		
46	R2/VIN	2nd R input/V(R-Y) input PR input		
47	G2/YIN	2nd G input/Y input		
48	B2/UIN	2nd B input/U(B-Y) input PB input		
49	BCLIN	beam current limiter input		
50	BLKIN	black current input/V-guard input		
51	RO	Red output		
52	GO	Green output		
53	BO	Blue output		
54	VDDA	analog supply of Teletext decoder and digital supply of TV-processor(3.3 V)		
55	VPE	OTP Progamming Voltage		
56	VDDC	digital supply to core(3.3 V)		
57	OSCGND	oscillator ground supply		
58	XTLIN	crystal oscillator input		
59	XTLOUT	crystal oscillator output		
60	RESET	reset		
61	VDDP	digital supply to peryipher(+3.3 V)		
62	P1.0/INT1	port 1.0 or external interrupt 1 input		
63	P1.1/T0	port 1.1 or Counter/Timer 0 input		
64	P1.2/INT0	port 1.2 or external interrupt 0 input		

5. Troubleshooting

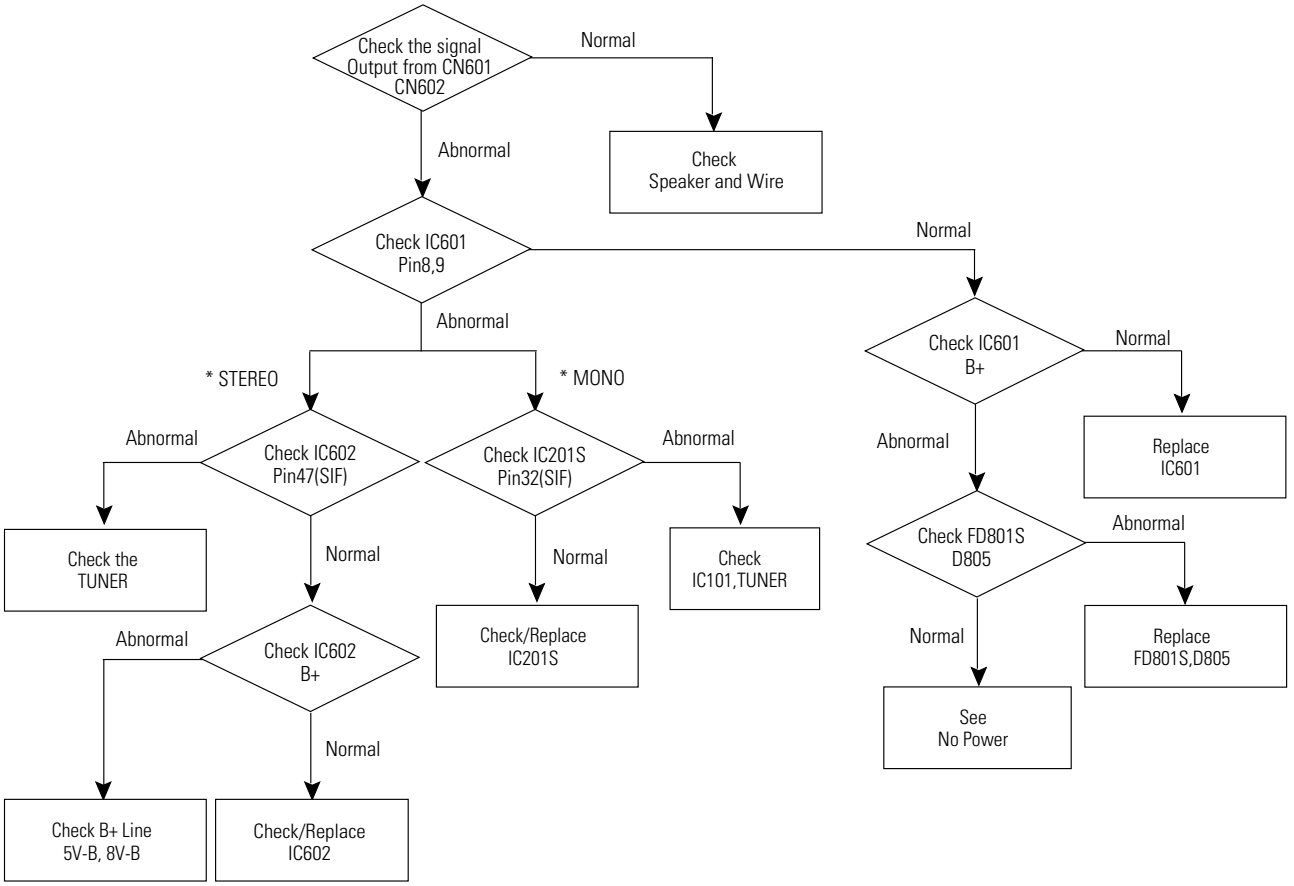
5-1 No Power



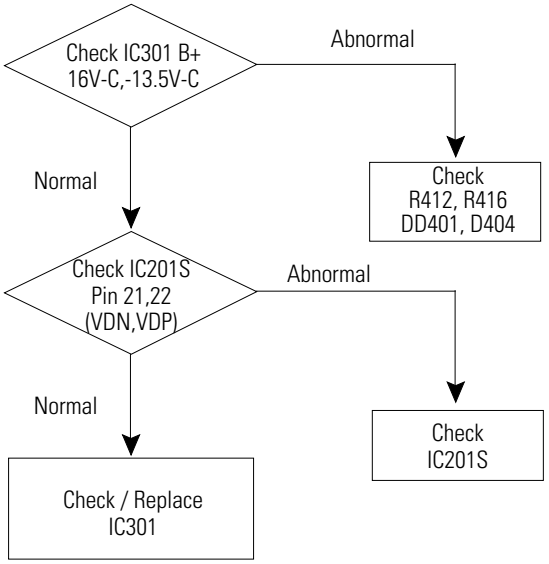
5-2 No Video (Sound OK)



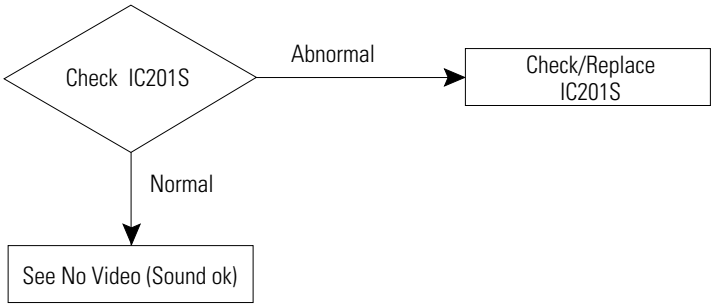
5-3 No Sound (Video OK)



5-4 Horizontal Lines Appear or Screen



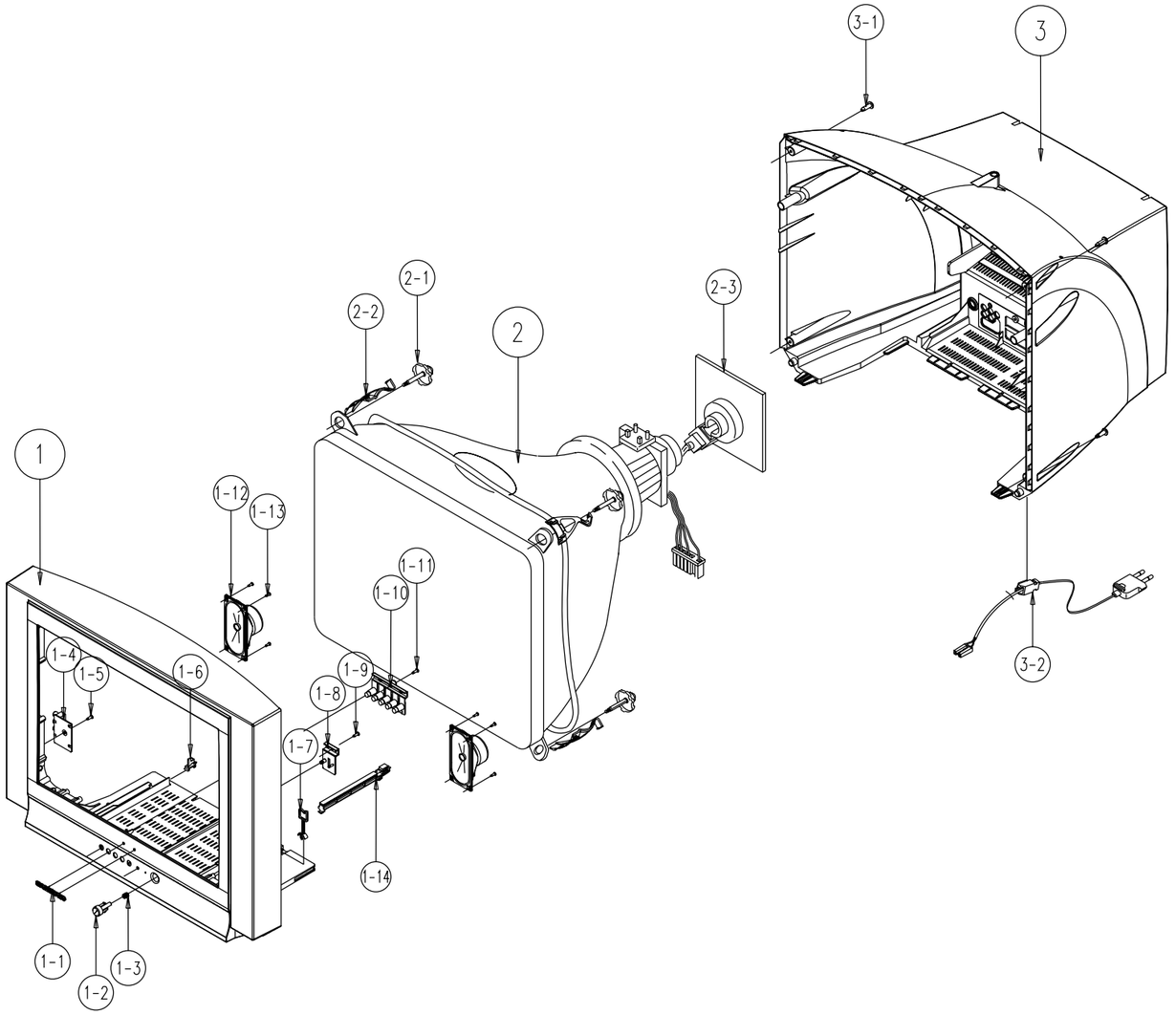
5-5 No TTX



6. Exploded View & Parts List

6-1 CS21K5NLX/XTT

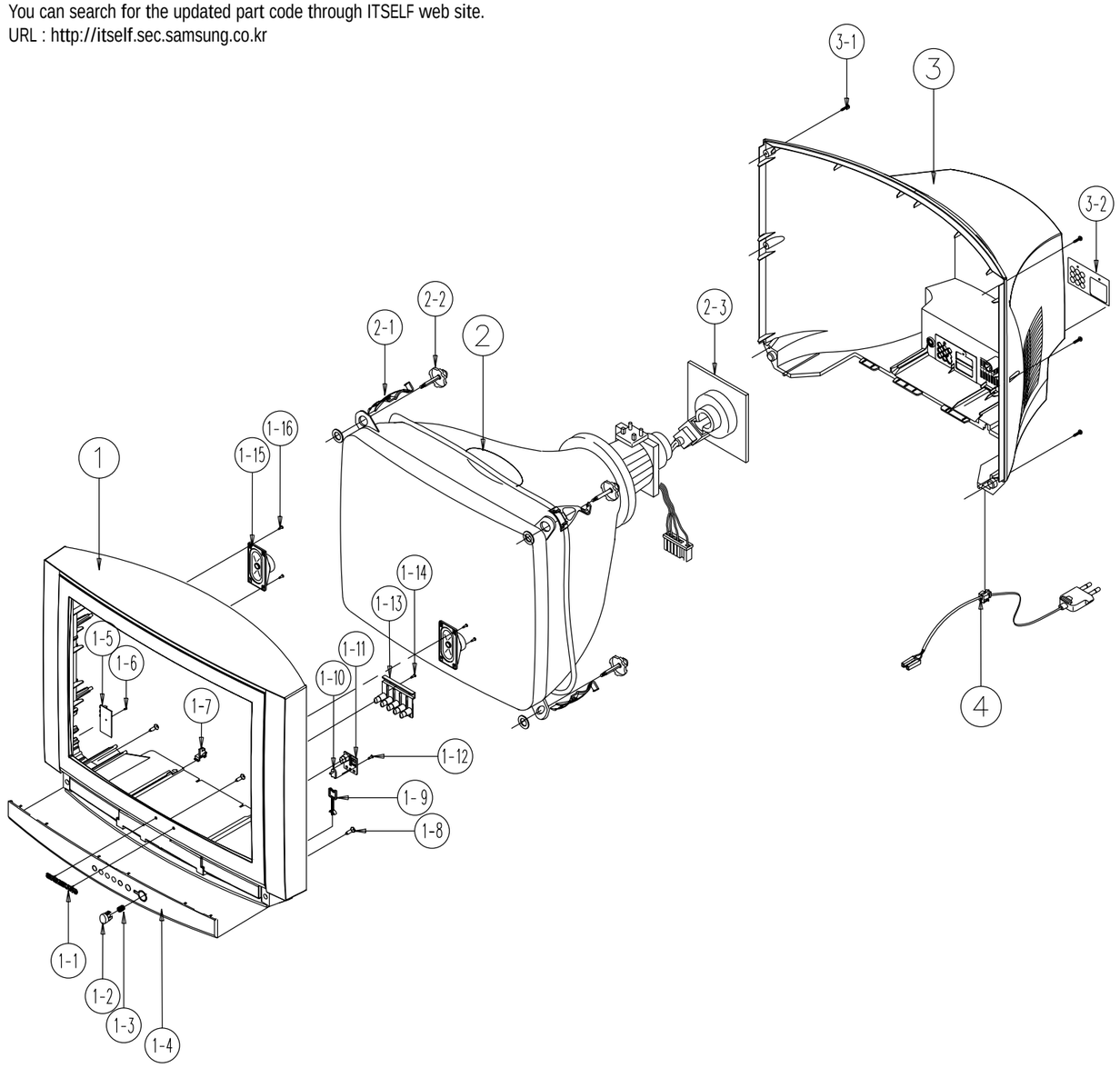
You can search for the updated part code through ITSELF web site.
URL : http://itself.sec.samsung.co.kr



No	Code No	Description	Specification	Q'ty	Remark	S.N.A
1	AA96-00914E	ASSY COVER P-FRONT;21K5,TTSEC,HIPS HB,G4		1		
1*	AA64-02625E	CABINET-FRONT;21K5,HIPS,HB,G4309,SV012P		1		
1-1	AA64-70123A	BADGE-BRAND;NEW,AL,-,-,L=50,FLAT,SILVER,		1		S.N.A
1-2	AA64-02629A	KNOB-POWER;29K5,ABS HB,G3676,SVM-3012		1		
1-3	AA61-60003J	SPRING ETC-CS;-,SUS304,-,-,OD6,N7,OD6,-,		1	KNOPOW	S.N.A
1-4	AA95-03090A	ASSY SUB-PCB,A/V SIDE;25V5,S56A		1		S.N.A
1-5	6003-001023	SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SW		2	AV+CF	S.N.A
1-6	AA61-40113A	STOPPER-PCB;501H,HIPS,-,-,HB,NTR,-		1		S.N.A
1-7	AA65-00011C	CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2,		1		S.N.A
1-8	AA64-02632A	WINDOW-RMC,LED;29K5,PC,CLR		1		
1-9	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR		1	WR+CF	S.N.A
1-10	AA64-02635A	KNOB-CONTROL;29K5,ABS HB,G3676,SVM-3012		1		
1-11	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR		1	KC+CF	S.N.A
1-12	AA96-00674A	ASSY SPEAKER;-,8OHM,7W,3001-001190,400/6		1		S.N.A
1-13	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR		8	SPK+CF	S.N.A
1-14	AA61-00711B	HOLDER-PCB;29U1,U2,HIPS FV2,BK502(HB-PRO		1		S.N.A
2	AA91-05187A	ASSY CPT;CS21A8		1	*	S.N.A
2-1	AA65-00009B	CLAMPER CORE-D,COIL;21A8,NYLON 66,V0,-,-		4	D-COIL	S.N.A
2-2	AA60-10050R	SCREW-ASSY;-,SWRCH18A,M5,L31.5,HH,+,WC,-		4	CRT+CF	S.N.A
2-3	3704-001105	SOCKET-CRT;11P,20PI,26.5PI,NI,-		1	V999S	
3	AA64-02626C	CABINET-BACK;21K5,HIPS,VO,G4309		1		
3-1	AA60-10050T	SCREW-TAPPING;-,SWRCH18A,M4,L20,RH,+,2S,		4	CB+CF	S.N.A
3-2	AA96-00047A	ASSY POWER CORD;-,EP2/NO,Y(H/S300MM),KKP		1		S.N.A

6-2 CS29D8NTPX/SAP

You can search for the updated part code through ITSELF web site.
URL : http://itself.sec.samsung.co.kr



No	Code No	Description	Specification	Q'ty	Remark	S.N.A
1	AA91-00409Q	ASSY CABINET FRONT;,29D8 S56A,(SPK)SV012		1		
1*	AA64-01001Y	CABINET-FRONT;29D7,8,HIPS,HB,G4309,SV012		1		S.N.A
1-1	AA64-70117B	BADGE-BRAND;-,AL,-,-,L65,R2000,SILVER,SS		1		S.N.A
1-2	AA64-01009F	KNOB POWER;29D8,ABS,HB,G3676,SVM3012		1		
1-3	AA61-60003J	SPRING ETC-CS;-,SUS304,-,-,OD6,N7,OD6,-,		1	KNOPOW	S.N.A
1-4	AA64-01008P	PANEL CONTROL;29D8,HIPS,HB,G4309,SV012P		1		S.N.A
1-5	AA95-03090A	ASSY SUB-PCB,A/V SIDE;25V5,S56A		1		S.N.A
1-6	6003-001268	SCREW-TAPTITE;TH,+,B,M4.0,L12.0,ZPC(YEL)		1	AJ+CF	S.N.A
1-7	AA61-40113A	STOPPER-PCB;501H,HIPS,-,-,HB,NTR,-		1		S.N.A
1-8	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR		3	PC+CF	S.N.A
1-9	AA65-00011C	CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2,		1		S.N.A
1-10	AA64-01011B	INDICATOR LED;29D8,ACRYL,-,CLR,-,-,-		1		
1-11	AA64-01010B	WINDOW REMOCON;29D8,PC,-,-,-,VO,VIOLET,-		1		S.N.A
1-12	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR		1	WIN+CF	S.N.A
1-13	AA64-01012J	KNOB CONTROL;21.29D8,ABS,HB,G3676,SVM-30		1		
1-14	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR		1	KC+CF	S.N.A
1-15	AA96-00358D	ASSY SPEAKER;-,16OHMX2,5WX2,3001-001072,		1		S.N.A
1-16	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR		8	SPK+CF	S.N.A
2	AA91-05959A	ASSY CPT;,A68QBT892X001(D),0MG,ITC,AA03-		1	*	S.N.A
2-1	AA65-00019A	CLAMPER CORE-D,COIL;25-34,NYLON 66,V2,N		4		S.N.A
2-2	AA60-10050V	SCREW-ASSY;-,SWRCH18A,M6,L30,HH,+,WC,-,Z		4		S.N.A
2-3	3704-001105	SOCKET-CRT;11P,20PI,26.5PI,NI,-		1	V999S	
3	AA64-01002K	CABINET BACK;29D8,HIPS,V0,G4309		1		
3-1	AA60-10050T	SCREW-TAPPING;-,SWRCH18A,M4,L20,RH,+,2S,		7	CB+CF	S.N.A
3-2	AA64-00892B	INLAY-BACK;D2,D3,PS SHEET,T0.3,-,-,BLK,R		1		S.N.A
4	AA96-20109C	ASSY POWER CORD;-,CP2/NO(4.0),H/C300,KKP		1		S.N.A

7. Electrical Parts List

7-1 CS21K5NLX/XTT

You can search for the updated part code through ITSELF web site.
URL : http://itself.sec.samsung.co.kr

ASSY CHASSIS

Level	Loc. No.	Code No.	Description ; Specification	Remark
1	*	AA91-05271D	ASSY CHASSIS;CS21K5NLX/XTT,CHINA,S56A	S.N.A
..2		AA94-08607D	ASSY PCB MAIN;CS21K5NLX/XTT,S56A,CHINA	
...3	C406	2301-001338	C-FILM,MPE-PPF;0.68nF,5%,1.6kV,TP,28x7x1	
...3	C803	2401-002227	C-AL;330uF,20%,450V,GP,BK,35x45,10	
...3	C827	2401-003633	C-AL;220UF,20%,160V,GP,ST,22X25MM,10	
...3	CN501	AA39-20604A	LEAD CONNECTOR-ASSY;,5/4P,300/200MM,YBNH	
⚠ ...3	CR403S	2301-001468	C-FILM,PPF;3.3NF,3%,1.6KV,TP,29X13.5X8MM	
⚠ ...3	CR406S	2306-001004	C-FILM,MPPF;300nF,5%,400V,TP,26x14x21mm,	
⚠ ...3	CX801S	2306-000318	C-FILM,MPPF;220nF,20%,250V,TP,-,22.5mm	
⚠ ...3	CX802S	2306-000318	C-FILM,MPPF;220nF,20%,250V,TP,-,22.5mm	
⚠ ...3	CY802S	2201-000446	C-CERAMIC,DISC;3.3NF,20%,400V,Y5U,TP,15X	
⚠ ...3	D407	0402-001296	DIODE-RECTIFIER;FMP-3FU,1.5KV,5A,TO-3PF,	
⚠ ...3	D801S	0402-001160	DIODE-BRIDGE;D5SB60,600V,6A,SIP-4,-	
⚠ ...3	D803	0402-001230	DIODE-RECTIFIER;FMG-G2CS,1000V,3A,TO-220	
⚠ ...3	D805	AA96-00243D	ASSY H/S;-,BRIDGE,AA62-00045A,D06U20S,DR	S.N.A
....4		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
....4		0402-001374	DIODE-RECTIFIER;FFPF06U20S,200V,6A,TO-22	
....4		6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	S.N.A
....4		AA62-00045A	HEAT SINK-PS;-,-,T1.0,-,-,DREAM,-,-,-,-	S.N.A
⚠ ...3	FP801S	3601-000281	FUSE-CARTRIDGE;250V,4A,TIME-LAG,GLASS,5.	
...3	GT301	AA60-40012D	PIN-GT,ASSY;T1.6,6-12.5-,NYLON66	S.N.A
⚠ ...3	IC201S	AA09-00353A	IC MICOM;TDA9592/N1/3I,SPM-836EAN,64P,3.	
...3	IC202	1103-001106	IC-EEPROM;C81DC,1028x8Bit,DIP,8P,300MIL,	
...3	IC301	AA96-00623A	ASSY H/S;-,POWER,AA62-00056A,LA7845	S.N.A
....4		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
....4		1204-000517	IC-VERTICAL DEF.;LA7845,SIP,7P,-,PLASTIC	
....4		6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	
....4		AA62-00056A	HEAT SINK-PS;-,-,T1.0,-,41*35*70,D2,-,-	S.N.A
...3	IC501	AA96-50311E	ASSY H/S;-,-,AA62-30175D,TDA6108JF,-	S.N.A
....4		1201-001330	IC-VIDEO AMP;6108,ZSIP,9P,-,SINGLE,-,PLA	
....4		6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	
....4		AA62-30175D	HEAT SINK-PS;-,SECC,T1.0,-,33X15X30 FT-2	S.N.A
...3	IC601	AA96-50398B	ASSY H/S;-,-,AA62-30182E,TDA7266S,-	S.N.A
....4		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
....4		1201-001308	IC-POWER AMP;7266,ZIP,15P,-,DUAL,26dB,PL	
....4		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	S.N.A
....4		AA62-30182E	HEAT SINK-ES;-,A6063 EXTR,-,WHT,-,-,-,40	S.N.A
...3	IC602	1204-002038	IC-SOUND PROCESSOR;MSP3410G-PO-83V3,PSDI	
...3	IC701	1001-000199	IC-VIDEO SWITCH;NJM2246D,3-INPUT,DIP,8P,	
⚠ ...3	IC801S	AA96-50373H	ASSY H/S;-,POWER,AA62-30181K,5Q1265RT	S.N.A
....4		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
....4		1203-002257	IC-PWM CONTROLLER;5Q12656RT,TO-220F-5L,5	
....4		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	S.N.A
....4		AA62-30181K	HEAT SINK-ES;-,AL6063 EXTR.,2,WHT,40MM,-	S.N.A
⚠ ...3	IC802	AA96-50347B	ASSY H/S;-,POWER,AA62-30184A,KA7632,-	S.N.A
....4	CIS	0205-001027	OIL-SILICON;G746,-,-	S.N.A
....4	CIS	1203-001939	IC-POSI.FIXED REG.;7632,SIP,10P,-,PLASTI	
....4	CIS	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	
....4	CIS	AA62-30184A	HEAT SINK-PS;-,SPC,T1.0,FT-I,33*15*40,-,	S.N.A
...3	JA701	3722-001333	JACK-PIN;9P,3.2mm,NI,BLK,-	
...3	JA702	3722-001596	JACK-PIN;3P/9P,3.5mm,NI,BLK(GRN/BLU/RED)	
⚠ ...3	L403	AA27-00159A	COIL HORIZ. WIDTH;140UH,140UH,YL-81 DR 1	
...3	L810	AA27-00098A	COIL CHOKE;-,-,24uH,10%,-,0.1,3.0A,DR10X	
...3	LD201	AA96-00555A	ASSY LED GUIDE;-,-,UEX-LD-030,GREEN	S.N.A
...3	LR401A	AA27-00160A	COIL LINEARITY;64UH,64UH,L-81 OWA 12X15,	
⚠ ...3	LX801S	AA29-30002F	FILTER LINE NOISE;-,6mH,2.45A,-,-	
⚠ ...3	NT802S	1404-001045	THERMISTOR-NTC;4.7ohm,15%,2900K,35.0mW,T	
⚠ ...3	PC801S	0604-001038	PHOTO-COUPLER;TR,130-260%,200mW,DIP-4,ST	
⚠ ...3	PT801S	1404-001264	THERMISTOR-PTC;4.5OHM,+30/-20%,220V,290V	
...3	Q401	AA96-00624A	ASSY H/S;-,POWER,AA62-00057A,KSD5703,WAS	S.N.A
....4		AA62-00057A	HEAT SINK-PS;-,-,T1.0,-,41*20*60,D2,-,-	S.N.A
....4		AA60-30001A	WASHER-PLATE;M3,ID3.5,15X8.5,T1.0,SBHG	S.N.A
....4		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	S.N.A
....4		0502-001136	TR-POWER;KSD5703,NPN,70W,TO-3PF,ST,8-	
....4		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
...3	R204	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠ ...3	RL801S	3501-001040	RELAY-POWER;12VDC,500mW,10A,1FormA,15mS,	
...3	RM201	AA32-00015A	MODULE REMOCON;FRP-3521H31,38KHZ,940MM,M	
⚠ ...3	SF101S	2904-001195	FILTER-SAW AV;38.9MHz,SIP5K,ST,17.9dB,B/	
⚠ ...3	SF102S	2904-001143	FILTER-SAW AV;38.9MHz,SIP5K,ST,18dB,B/G,	
⚠ ...3	SW801S	3403-000179	SWITCH-PUSH;250V,5A,DPST,-,JPW-2104B	
⚠ ...3	T401	AA26-50001M	TRANS-HORIZ.DRIVE;-,-,-,80mH,-,-,520uH,-	
⚠ ...3	T444S	AA26-00057A	TRANS FBT;-,FUH-29A001B(S),25/29,130	
⚠ ...3	T801S	AA26-00111D	TRANS SWITCHING;,CS21A0,AC160~320V,PM5 ,	
⚠ ...3	TU01S	AA40-00070A	TUNER;TEDE9-203A,PAL,181CH,38.9MHZ,75OHM	
⚠ ...3	V999S	3704-001105	SOCKET-CRT;11P,20PI,26.5PI,NI,-	
...3		AA97-07615D	ASSY AUTO-MAIN;CS21K5NLX/XTT,S56A,CHINA	S.N.A
....4	C101	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C102	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4	C103	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C105	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4	C106	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C107	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C108	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C109	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C110	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C117	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
....4	C201	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
....4	C203	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
....4	C206	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
....4	C207	2309-000138	C-FILM,PE-PPF;100nF,5%,50V,TP,20x16x8.5,	
....4	C208	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4	C209	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4	C210	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C211	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C212	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
....4	C213	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
....4	C214	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
....4	C215	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
....4	C216	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C217	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
....4	C218	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C220	2305-000411	C-FILM,MPEF;470nF,5%,50V,TP,7.3x4.8x5.5m	
....4	C223	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4	C224	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C225	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C226	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C227	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
....4	C228	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C229	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C230	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C231	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C232	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C233	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
....4	C236	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C237	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C238	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C240	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
....4	C243	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
....4	C244	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C245	2202-000849	C-CERAMIC,MLC-AXIAL;0.018NF,5%,50V,C0G,T	
....4	C246	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	

Level	Loc. No.	Code No.	Description ; Specification	Remark
....4	C247	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
....4	C248	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C249	2201-000573	C-CERAMIC,DISC;0.047NF,5%,50V,C0G,TP,5X3	
....4	C250	2201-000573	C-CERAMIC,DISC;0.047NF,5%,50V,C0G,TP,5X3	
....4	C251	2201-000138	C-CERAMIC,DISC;0.1NF,10%,50V,Y5P,TP,4X4M	
....4	C252	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C253	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
....4	C259	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
....4	C260	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C261	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C301	2305-000285	C-FILM,MPEF;220NF,5%,100V,TP,10.5X5.5X15	
....4	C302	2201-002103	C-CERAMIC,DISC;0.015NF,5%,500V,C0G,TP,6.	
....4	C303	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
....4	C304	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,	
....4	C305	2301-000254	C-FILM,PEF;39nF,5%,50V,TP,7.5x3.5x6.5mm,	
....4	C306	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,	
....4	C310	2301-000247	C-FILM,PEF;33nF,5%,50V,TP,8.1x4.5x13mm,5	
....4	C407	2305-000382	C-FILM,MPEF;4.7nF,5%,400V,TP,-,5mm	
....4	C408	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C409	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
....4	C410	2201-000599	C-CERAMIC,DISC;0.56NF,10%,500V,Y5P,TP,5.	
....4	C411	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5.	
....4	C412	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
....4	C413	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5.	
....4	C414	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
....4	C415	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5.	
....4	C416	2401-000927	C-AL;22uF,20%,250V,GP,TP,13x20,5	
....4	C417	2306-000224	C-FILM,MPPF;47nF,5%,400V,TP,19x15.5x7,7.	
....4	C419	2401-002268	C-AL;2.2uF,20%,250V,LZ,TP,8X11,5	
....4	C504	2301-001259	C-FILM,MPPF;100nF,5%,400V,TP,19x8x16,7.5	
....4	C505	2202-000825	C-CERAMIC,MLC-AXIAL;680pF,10%,50V,Y5P,TP	
....4	C506	2401-000430	C-AL;10uF,20%,250V,GP,TP,10x16mm,5m	
....4	C507	2401-001232	C-AL;4.7uF,20%,250V,GP,TP,10x12.5,5	
....4	C508	2201-000723	C-CERAMIC,DISC;4.7NF,20%,3KV,Y5U,TP,16X5	
....4	C601	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
....4	C602	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
....4	C603	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
....4	C604	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
....4	C605	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
....4	C607	2401-001998	C-AL;1000uF,20%,25V,GP,TP,10x20,5mm	
....4	C630	2201-000304	C-CERAMIC,DISC;0.001NF,0.25PF,50V,C0G,TP	
....4	C631	2201-000304	C-CERAMIC,DISC;0.001NF,0.25PF,50V,C0G,TP	
....4	C632	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
....4	C634	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4	C635	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C637	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C638	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C640	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C641	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C644	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
....4	C645	2301-000010	C-FILM,PEF;100nF,5%,100V,TP,11.5x12.5mm,	
....4	C646	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C647	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C650	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C651	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C652	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
....4	C653	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
....4	C654	2201-000982	C-CERAMIC,DISC;10NF,+80-20%,50V,Y5V,TP,4	
....4	C655	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
....4	C656	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C657	2301-000108	C-FILM,PEF;1.5nF,5%,50V,TP,6.5x3.0x5.5mm	
....4	C660	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
....4	C661	2301-000108	C-FILM,PEF;1.5nF,5%,50V,TP,6.5x3.0x5.5mm	
....4	C662	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C663	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C664	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C665	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C666	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C700	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C701	2202-000863	C-CERAMIC,MLC-AXIAL;560pF,10%,50V,Y5P,TP	
....4	C707	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C709	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
....4	C716	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
....4	C717	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C718	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C719	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C720	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C721	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
....4	C722	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
....4	C723	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
....4	C724	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
....4	C725	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
....4	C726	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
....4	C732	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C733	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C736	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C737	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C802	2401-001192	C-AL;33uF,20%,50V,GP,TP,6.3x11,5	
....4	C804	2201-000332	C-CERAMIC,DISC;2.2NF,20%,250V,Y5U,TP,9X4	
....4	C805	2201-000332	C-CERAMIC,DISC;2.2NF,20%,250V,Y5U,TP,9X4	
....4	C806	2301-000289	C-FILM,PEF;5.6nF,5%,50V,TP,7x6x3,5	
....4	C807	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C808	2301-001435	C-FILM,PPF;1.5nF,5%,1.2kV,TP,15x8x12.5mm	
....4	C809	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
....4	C821	2201-000599	C-CERAMIC,DISC;0.56NF,10%,500V,Y5P,TP,5.	
....4	C822	2401-000711	C-AL;2200uF,20%,25V,GP,TP,16x25,7.5	
....4	C823	2201-000599	C-CERAMIC,DISC;0.56NF,10%,500V,Y5P,TP,5.	
....4	C824	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.5	
....4	C826	2201-000991	C-CERAMIC,DISC;0.56NF,10%,2KV,Y5P,TP,7.5	
....4	C828	2401-000262	C-AL;100uF,20%,160V,HR,TP,16x25,7.5	
....4	C830	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
....4	C833	2401-003028	C-AL;100uF,20%,25V,WT,TP,6.3x11,5	
....4	C834	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C835	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C836	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C837	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
....4	C838	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C839	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C840	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
....4	C887	2201-000374	C-CERAMIC,DISC;0.22NF,5%,50V,C0G,TP,10.5	
....4	CN602	3711-002644	CONNECTOR-HEADER;BOX,5P,1R,2.5mm,STRAIGH	
....4	CN701	3711-002647	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGH	
⚠ 4	CR402S	2301-001520	C-FILM,PPF;3.9NF,+-5%,1.6KV,TP,27X12.5X6	
⚠ 4	CR404S	2301-001067	C-FILM,MPPF;82nF,5%,400V,TP,19x15.5x7,7.	
⚠ 4	CR405S	2201-000132	C-CERAMIC,DISC;0.1NF,10%,500V,Y5P,TP,6.5	
....4	D101	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D102	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D201	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D205	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D206	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D207	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D208	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D209	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D301	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D302	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D304	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠ 4	D401	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5A,-,TP	
⚠ 4	D402	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
⚠ 4	D403	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
⚠ 4	D404	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
⚠ 4	D405	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠ 4	D406	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
....4	D501	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
....4	D502	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
....4	D503	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
....4	D504	0402-000010	DIODE-RECTIFIER;RGP15G,400V,1.5A,DO-204A	
....4	D602	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	D603	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
⚠ 4	D802	0402-000254	DIODE-RECTIFIER;RGP10J,600V,1A,DO-41,TP	
⚠ 4	D804	0401-000006	DIODE-SWITCHING;BAV21,250V,250mA,DO-35,T	
⚠ 4	D807	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
⚠ 4	D810	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D901	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D951	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4	DZ105	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ201	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ202	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ203	0403-000719	DIODE-ZENER;MTZJ7.5B,7.5V,7.07-7.45V,500	
....4	DZ204	0403-001321	DIODE-ZENER;MTZJ6.8C,6.66-7.01V,500mW,DO	
....4	DZ205	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ206	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ207	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	

Level	Loc. No.	Code No.	Description ; Specification	Remark
....4	DZ208	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500mW,DO	
....4	DZ209	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ210	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ211	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500mW,DO	
....4	DZ212	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500mW,DO	
....4	DZ215	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ221	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500mW,DO	
....4	DZ301	0403-001328	DIODE-ZENER;MTZJ22A,20.15-21.20V,500mW,D	
....4	DZ302	0403-001329	DIODE-ZENER;MTZJ24B,22.61-23.77V,500mW,D	
....4	DZ303	0403-001221	DIODE-ZENER;UZ39BSB,35.36-37.19V,500MW,D	
....4	DZ304	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
....4	DZ305	0403-001328	DIODE-ZENER;MTZJ22A,20.15-21.20V,500mW,D	
....4	DZ401	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	DZ402	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ501	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ502	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ503	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ504	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ701	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ702	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ703	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ705	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ706	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ803	0403-000716	DIODE-ZENER;MTZJ4.7B,4.7V,4.55-4.8V,500m	
....4	DZ804	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ805	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4	DZ806	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
....4	DZ807	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ808	0403-000510	DIODE-ZENER;MTZJ6.2B,6.2V,5.96-6.27V,500	
....4	DZ810	0403-000699	DIODE-ZENER;TZP27B,27V,27-30.8V,1W,DO-41	
....4	DZ811	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ812	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
....4	DZ813	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ814	0403-001317	DIODE-ZENER;MTZJ3.0B,3.01-3.22V,500mW,DO	
....4	EL311	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL312	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL401	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL402	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL411	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL413	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL501	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL502	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL803	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL804	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL806	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL807	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY301	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY302	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY311	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY401	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY402	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY403	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY404	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY405	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY406	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY407	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY409	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY410	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY411	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY412	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY413	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY414	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY415	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY416	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY417	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY418	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY419	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY420	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY421	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY422	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY423	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY424	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY425	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY426	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY427	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY428	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY430	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY431	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY432	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY433	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY434	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY435	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY437	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY440	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY441	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY601	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY602	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY603	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY604	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY701	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY702	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY703	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY704	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY801	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY802	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY803	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY804	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY805	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY806	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY807	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY808	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY809	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY810	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY811	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY812	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY814	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY815	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY816	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY818	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY819	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY820	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY821	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY822	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY823	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY824	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY825	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY826	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY827	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY828	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY829	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY830	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY831	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY832	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY833	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY835	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY836	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY837	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY838	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY839	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY840	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY841	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY842	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY843	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY844	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY845	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY846	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY847	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY848	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY849	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY850	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY851	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY852	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY853	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY854	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY855	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY856	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY857	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY858	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY859	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	F801A	3602-000114	FUSE-HOLDER;-,-,30mohm	
....4	F801B	3602-000114	FUSE-HOLDER;-,-,30mohm	
⚠	4	FD801S	3601-001228	FUSE-AXIAL LEAD;125V,10A,FAST-ACTING,EPO	
⚠	4	FD802S	3601-001065	FUSE-AXIAL LEAD;125V,3.5A,FAST-ACTING,CE	
....4	GT102	AA60-40014A	PIN-GT,ASSY,AUTO	S.N.A

Level	Loc. No.	Code No.	Description ; Specification	Remark
....4	GT501	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT502	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT503	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT801	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT802	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT803	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT804	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT805	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT806	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	HC101	AA13-20004W	IC HYBRID;-,PAP103T,SIP,6P,PRE-AMP,TP	
....4	IC631	1203-000515	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL	
⚠ 4	IC852	1203-001217	IC-POSI.ADJUST REG.;431,TO-92,3P,4.58MIL	
....4	J170	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4	J179	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	J180	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4	J181	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	J199	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	L101	2701-000202	INDUCTOR-AXIAL;560nH,10%,2.5x3.4mm	
....4	L102	2701-000159	INDUCTOR-AXIAL;22uH,10%,4.2x9.8mm	
....4	L201	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
....4	L202	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4	L205	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
....4	L206	2701-000168	INDUCTOR-AXIAL;3.3uH,5%,2.5x3.4mm	
....4	L211	2701-000197	INDUCTOR-AXIAL;5.6uH,10%,2.5x3.4mm	
....4	L220	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
....4	L221	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
....4	L301	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L302	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L404	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L405	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
....4	L406	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L407	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
....4	L501	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
....4	L601	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
....4	L603	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L604	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,3x7mm	
....4	L630	2701-000169	INDUCTOR-AXIAL;3.9uH,10%,2.5x3.4mm	
....4	L631	2701-000169	INDUCTOR-AXIAL;3.9uH,10%,2.5x3.4mm	
....4	L701	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L702	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L703	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L704	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L705	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L706	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L707	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L708	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L709	2701-000215	INDUCTOR-AXIAL;8.2uH,10%,2.5x3.4mm	
....4	L710	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4	L801	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L802	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L803	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L804	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L805	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
....4	L809	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L888	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	PCB	AA41-00785A	PCB-MAIN;CS29D8,FR-1,1L,A,1.6T,245X330,S	S.N.A
....4	Q101	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q102	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q103	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q201	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
....4	Q202	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q203	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q204	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q205	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
....4	Q206	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q207	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q208	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
....4	Q211	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q212	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q301	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
....4	Q403	0502-001007	TR-POWER;KSC2073-H2,NPN,25W,TO-220,ST,6	
....4	Q700	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q701	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q702	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q703	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
....4	Q804	0502-000242	TR-POWER;KSA614,PNP,25W,TO-220,TP,40-24	
....4	Q951	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
....4	R101	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R102	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R103	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R104	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R105	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R106	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R107	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R111	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R112	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R114	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R115	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R201	2001-000739	R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R203	2004-001914	R-METAL;39Kohm,2%,1/8W,AA,TP,1.8x3.5mm	
....4	R205	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R206	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R207	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R209	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R210	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R211	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R212	2001-000739	R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R213	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R214	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R215	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R216	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R218	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R220	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R223	2001-000702	R-CARBON;39KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R224	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R226	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R227	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R228	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R230	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R231	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R232	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R233	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R234	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R235	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R241	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
....4	R243	2001-000011	R-CARBON;75KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R244	2001-000012	R-CARBON;680KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R247	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R249	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
....4	R250	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R251	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R252	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R253	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R254	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R255	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R256	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R257	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R258	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R259	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R260	2001-000343	R-CARBON;130OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R261	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R262	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R264	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R265	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
....4	R266	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R267	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R268	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R269	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R270	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R271	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4	R272	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R273	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R274	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R275	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R285	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R286	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R289	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R291	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R301	2001-000016	R-CARBON(S);1OHM,5%,1/2W,AA,TP,2.4X6.4MM	
....4	R303	2004-001371	R-METAL(S);1.5Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4	R304	2003-000537	R-METAL OXIDE(S);1Kohm,5%,1W,AF,TP,3.3x9	
....4	R305	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

Level	Loc. No.	Code No.	Description ; Specification	Remark
....4	R308	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R310	2003-000998	R-METAL OXIDE;300ohm,5%,2W,AF,TP,3.9x10m	
....4	R311	2003-000998	R-METAL OXIDE;300ohm,5%,2W,AF,TP,3.9x10m	
....4	R313	2004-001371	R-METAL(S);1.5Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4	R314	2003-002070	R-METAL OXIDE;1ohm,5%,2W,AF,TP,3.9x10mm	
....4	R315	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R402	2003-000755	R-METAL OXIDE(S);6.8Kohm,5%,2W,AF,TP,4x1	
....4	R403	2003-000993	R-METAL OXIDE(S);3.9Kohm,5%,1W,AF,TP,2.5	
....4	R405	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4	R406	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R407	2003-001040	R-METAL OXIDE(S);47Kohm,5%,2W,AF,TP,3.9x	
....4	R408	2003-001040	R-METAL OXIDE(S);47Kohm,5%,2W,AF,TP,3.9x	
....4	R409	2001-001077	R-CARBON(S);150OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R410	2004-001405	R-METAL(S);79Kohm,1%,1/2W,AA,TP,2.4x6.4m	
....4	R411	2004-001402	R-METAL(S);6.8Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4	R412	2008-000253	R-FUSIBLE(S);0.47ohm,5%,1W,AF,TP,3.9x10m	
....4	R413	2001-001199	R-CARBON(S);91OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4	R416	2008-000253	R-FUSIBLE(S);0.47ohm,5%,1W,AF,TP,3.9x10m	
....4	R421	2003-000540	R-METAL OXIDE(S);1Kohm,5%,2W,AF,TP,4x12m	
....4	R424	2003-002008	R-METAL OXIDE(S);18Kohm,5%,2W,AF,TP,3.9x	
....4	R501	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R501H	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
....4	R502H	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
....4	R504	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R505	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R511	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
....4	R512	2008-000299	R-FUSIBLE(S);47ohm,5%,2W,AF,TP,3.9x10mm	
....4	R513	2008-000292	R-FUSIBLE(S);3.3ohm,5%,2W,AF,TP,3.9x10mm	
....4	R514	2001-001062	R-CARBON(S);10MOHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R521	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R522	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R523	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R603	2001-000313	R-CARBON;11KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R604	2004-001023	R-METAL;5.6Kohm,1%,1/8W,AA,TP,1.8x3.2m	
....4	R606	2001-000313	R-CARBON;11KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R607	2004-001023	R-METAL;5.6Kohm,1%,1/8W,AA,TP,1.8x3.2m	
....4	R608	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R633	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R634	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R639	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R640	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R641	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R645	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R646	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R703	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R704	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R706	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R708	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R709	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R710	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R711	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R712	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R713	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R715	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R717	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R720	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R723	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R724	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R725	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R726	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R727	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R729	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R730	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R731	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R732	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R733	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R734	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R736	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R737	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R738	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R741	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R742	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R743	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R802	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
....4	R803	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
....4	R804	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
....4	R805	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R806	2001-000019	R-CARBON(S);10OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4	R807	2001-001170	R-CARBON(S);6.8OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R808	2001-001170	R-CARBON(S);6.8OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R809	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R810	2001-001192	R-CARBON(S);820OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R811	2001-001070	R-CARBON(S);120OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R812	2001-001182	R-CARBON(S);7.5KOHM,5%,1/2W,AA,TP,2.4X6.	
....4	R813	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	
....4	R814	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	
....4	R825	2004-001377	R-METAL(S);120Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4	R826	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R827	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
....4	R828	2004-001983	R-METAL(S);2.49Kohm,1%,1/2W,AA,TP,2.4x6.	
....4	R829	2004-001371	R-METAL(S);1.5Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4	R833	2003-002064	R-METAL OXIDE;7.5ohm,5%,2W,AF,TP,10x3.9m	
....4	R834	2003-002064	R-METAL OXIDE;7.5ohm,5%,2W,AF,TP,10x3.9m	
....4	R835	2003-002064	R-METAL OXIDE;7.5ohm,5%,2W,AF,TP,10x3.9m	
....4	R836	2003-000998	R-METAL OXIDE;300ohm,5%,2W,AF,TP,3.9x10m	
....4	R837	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
....4	R838	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
....4	R840	2008-000266	R-FUSIBLE(S);1ohm,5%,2W,AF,TP,3.9x10mm	
....4	R841	2008-000294	R-FUSIBLE(S);33ohm,5%,2W,AF,TP,3.9x10mm	
....4	R842	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R843	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R845	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R846	2001-000117	R-CARBON(S);68OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4	R901	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R903	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R905	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R908	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R909	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R910	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R911	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R912	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R913	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R914	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠ 4	RR401S	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
⚠ 4	RX801S	2002-001010	R-COMPOSITION;1.8Mohm,5%,1/2W,AA,TP,3.7x	
⚠ 4	RY801S	2002-001012	R-COMPOSITION;8.2Mohm,5%,1/2W,AA,TP,3.7x	
....4	SW201	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
....4	SW202	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
....4	SW203	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
....4	SW204	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
....4	SW205	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
⚠ 4	VP801S	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	
⚠ 4	VX801S	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	
....4	X201	2801-003433	CRYSTAL-UNIT;12MHZ,30PPM,28-AAM,30PF,30O	
....4	X601	2801-000186	CRYSTAL-UNIT;18.432MHz,25ppm,28-AAM,8pF,	
....4	Z202	2903-000129	FILTER-CERAMIC;BR,4.5MHz,-,-,-,TP,-	
....4	Z203	2903-001240	FILTER-CERAMIC;TR,5.5MHz,-,28dB,-,TP,-	
...3		AA65-30104C	CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2,	S.N.A
...3		AA65-30018A	CLAMPER CORE-WIRE;DONG-A,NYLON-66,-,-,-,	S.N.A
...3		AA65-30009A	CLAMPER CORE-FBT;-,ABS,V0,-,BLK,-	S.N.A
...3		AA39-20010B	LEAD CONNECTOR-ASSY;,1P,500,YFH800-01,S,	
..2		AA95-03090A	ASSY SUB-PCB,A/V SIDE;25V5,S56A	S.N.A
...3	CN01A	AA39-20068E	LEAD CONNECTOR-ASSY;,8P,500,YBNH025-08,6	
...3	CN05A	AA39-20069C	LEAD CONNECTOR-ASSY;,5P,400,YBNH025-05,6	
...3	CN06A	AA39-00070A	LEAD CONNECTOR-ASSY;,4P,200MM,YBNH250-04	
...3	JA01	3722-001031	JACK-PIN;3P,3.6mm,#18,AU	
...3	JE01	3722-000143	JACK-PHONE;1P(VER),3.4PI,AG,BLK,NO	
...3		AA97-13001A	ASSY AUTO-A/V SIDE;AA95-03090A	S.N.A
....4	CA01	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	CA02	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	CA03	2202-000222	C-CERAMIC,MLC-AXIAL;3.3nF,20%,16V,Y5P,TP	
....4	CA04	2202-000222	C-CERAMIC,MLC-AXIAL;3.3nF,20%,16V,Y5P,TP	
....4	CA06	2401-000025	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	CA07	2401-000025	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	LA01	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4	LA02	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4	LA03	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
....4	LA04	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
....4	PCB	AA41-00747A	PCB-SIDE A/V;CS29D8,FR-1,1L,A,1.6T,245X2	S.N.A
....4	RA01	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	RA02	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
...3		AA63-10002A	BAND-TIE;NYLON66 V2,L100,NTR	S.N.A
...3		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
⚠ ..2		AA96-00047A	ASSY POWER CORD;-,EP2/NO,Y(H/S300MM),KKP	S.N.A

Level	Loc. No.	Code No.	Description ; Specification	Remark
...3		AA63-10002B	BAND-TIE;NYLON66 V2,L140,NTR	S.N.A
...3		AA61-20284A	HOLDER;P-CORD,PP,-,-,-,BLK,VO,KE-002	S.N.A
...3		AA39-10007T	CBF POWER CORD;-,RVVZ-2P,RVVB 2x0.75mm,2	
...3		3811-000401	WIRE-PVC CU;BCWA,300V,ROLL,17/0.16mm,#22	S.N.A
...3		3301-001201	CORE-FERRITE;AE,21x11x32mm,1500,280G	

ASSY CPT

1	*	AA91-05187A	ASSY CPT;CS21A8	S.N.A
..2	LC801S	AA27-00257A	COIL DEGAUSSING;,21INCH,10%,20TS,4.5OHM,	
..2		AA98-00125A	ASSY TBC WIRE(P);,21INCH,NTSC,2P-WH	S.N.A
..2		AA63-60028A	SPACER-DY;-,NEOPRENE,-,-,-,BLK,-,-,V0 W1	S.N.A
..2		AA27-00199A	DEFLECTION YOKE;21DF,CDY-MT2103S,ST-3,A5	
..2		AA27-00002A	MAGNET CONVERGENCE;-,JH291-SC-OB,29.1MM	
⚠ ..2		AA03-00317A	CRT COLOR;A51QDX992X,0MG,1.85MH,18.0MH,2	

ASSY COVER REAR

1	*	AA90-03203G	ASSY COVER REAR;CS21K5NLX/XTT	S.N.A
..2		AA60-00091J	SPACER-FELT;-,FELT,330X10,-,-,BLK,T0.5,-	S.N.A
..2		AA64-00892T	INLAY-BACK;D2,D3 CHINA,PS SHEET,T0.3,BLK	S.N.A
..2		AA64-02626C	CABINET-BACK;21K5,HIPS,VO,G4309	
..2		AA65-30008A	CLAMPER CORE-CORD;-,PE,HB,-,BLK,-	S.N.A

ASSY COVER FRONT

1	*	AA90-03200H	ASSY COVER FRONT;CS21K5NLX/XTT	S.N.A
..2	AV+CF	6003-001023	SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SW	S.N.A
..2	CB+CF	AA60-10050T	SCREW-TAPPING;-,SWRCH18A,M4,L20,RH,+,2S,	S.N.A
..2	CB+RCA	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
..2	CRT+CF	AA60-10050R	SCREW-ASSY;-,SWRCH18A,M5,L31.5,HH,+,WC,-	S.N.A
..2	D-COIL	AA65-00009B	CLAMPER CORE-D,COIL;21A8,NYLON 66,V0,-,-	S.N.A
..2		AA96-00914E	ASSY COVER P-FRONT;21K5,TTSEC,HIPS HB,G4	
...3	KC+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
...3	KNOPOW	AA61-60003J	SPRING ETC-CS;-,SUS304,-,-,OD6,N7,OD6,-	S.N.A
...3	SPK+CF	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	S.N.A
...3	WR+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
...3		AA64-60448V	INLAY AV;S51A,PS SHEET,T0.3,-,-,BLK,CHIN	S.N.A
...3		AA64-02635A	KNOB-CONTROL;29K5,ABS HB,G3676,SVM-3012	
...3		AA64-02632A	WINDOW-RMC,LED;29K5,PC,CLR	
...3		AA64-70123A	BADGE-BRAND;NEW,AL,-,-,L=50,FLAT,SILVER,	S.N.A
...3		AA65-00011C	CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2,	S.N.A
...3		AA65-30105A	CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2,	S.N.A
...3		AA96-00674A	ASSY SPEAKER;-,8OHM,7W,3001-001190,400/6	S.N.A
....4		3001-001190	SPEAKER;7W,8OHM,87DB,150HZ	
....4		AA39-00102S	LEAD CONNECTOR-ASSY;,4P,400,600MM,35155-	
...3		AA64-02629A	KNOB-POWER;29K5,ABS HB,G3676,SVM-3012	
...3		AA60-00091A	SPACER-FELT;-,FELT,150X10,-,-,BLK,T0.35,	S.N.A
...3		AA61-00711B	HOLDER-PCB;29U1,U2,HIPS FV2,BK502(HB-PRO	S.N.A
...3		AA61-40113A	STOPPER-PCB;501H,HIPS,-,-,HB,NTR,-	S.N.A
...3		AA64-02625E	CABINET-FRONT;21K5,HIPS,HB,G4309,SV012P	
..2		AA64-01334B	INLAY-CRT;ORION,PS SHEET,T1.0,50*30,-,-,	S.N.A

ASSY ACCESSORY

1	*	AA92-06918C	ASSY ACCESSORY;CS21K5NLX/XTT,CHINA,S56A	S.N.A
..2		AA26-90002A	TRANS MATCHING;-,75-300ohm,PAL,40-890MHZ	
..2		AA42-00003A	ANT ROD;-,3S,720mm,ABS,UL/CSA,-	
..2		AA69-00862A	BAG PE;-,HDPE PE FOAM,T0.03,W400,H240,-,	S.N.A
..2		AA68-02515A	MANUAL USERS;CS29D8W,ENG,W/P100G,S56A	
..2		AA59-00104H	REMOCON;-,TM59,SIM806E,25,L/GRAY,EX,CHIN	

7-2 CS29D8NTPX/SAP

ASSY CHASSIS

Level	Loc. No.	Code No.	Description ; Specification	Remark
1	*	AA91-05271E	ASSY CHASSIS;CS29D8NTPX/SAP,SINGAPORE,S5	S.N.A
..2		AA94-08607E	ASSY PCB MAIN;CS29D8NTPX/SAP,S56A,SINGAP	
...3	C405	2301-001420	C-FILM,MPPF;1200nF,5%,400V,BK,31x16.5x22	
...3	C406	2301-001338	C-FILM,MPE-PPF;0.68nF,5%,1.6kV,TP,28x7x1	
...3	C803	2401-003025	C-AL;330uF,20%,400V,GP,ST,30x40,10	
...3	C827	2401-003633	C-AL;220UF,20%,160V,GP,ST,22X25MM,10	
...3	CN501	AA39-20604A	LEAD CONNECTOR-ASSY;,5/4P,300/200MM,YBNH	
⚠ ...3	CR402S	2306-000357	C-FILM,MPPF;8.2nF,5%,1.6KV,BK,20x9.5x17.	
⚠ ...3	CR403S	2303-000118	C-FILM,PPF;10nF,5%,1.6KV,BK,31x19.5x13,2	
⚠ ...3	CR406S	2301-001193	C-FILM,MPPF;1uF,5%,400V,TP,31x17x25,20	
⚠ ...3	CX801S	2306-000318	C-FILM,MPPF;220nF,20%,250V,TP,-,22.5mm	
⚠ ...3	CX802S	2306-000318	C-FILM,MPPF;220nF,20%,250V,TP,-,22.5mm	
⚠ ...3	CY802S	2201-000446	C-CERAMIC,DISC;3.3NF,20%,400V,Y5U,TP,15X	
⚠ ...3	D407	0402-001296	DIODE-RECTIFIER;FMP-3FU,1.5KV,5A,TO-3PF,	
⚠ ...3	D801S	0402-001160	DIODE-BRIDGE;D5SB60,600V,6A,SIP-4,-	
⚠ ...3	D803	0402-001230	DIODE-RECTIFIER;FMG-G2CS,1000V,3A,TO-220	
⚠ ...3	D805	AA96-00243D	ASSY H/S;-,BRIDGE,AA62-00045A,D06U20S,DR	S.N.A
....4		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
....4		0402-001374	DIODE-RECTIFIER;FFPF06U20S,200V,6A,TO-22	
....4		6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	S.N.A
....4		AA62-00045A	HEAT SINK-PS;-,-,T1.0,-,-,DREAM,-,-,-,-	S.N.A
⚠ ...3	FP801S	3601-000281	FUSE-CARTRIDGE;250V,4A,TIME-LAG,GLASS,5.	
...3	GT301	AA60-40012D	PIN-GT,ASSY;T1.6,6-12.5-,NYLON66	S.N.A
⚠ ...3	IC201S	AA09-00365A	IC MICOM;TDA9594/N1/4I,SPM-836EA,64P,3.3	
...3	IC202	1103-001106	IC-EEPROM;C81DC,1028x8Bit,DIP,8P,300MIL,	
...3	IC301	AA96-00623A	ASSY H/S;-,POWER,AA62-00056A,LA7845	S.N.A
....4		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
....4		1204-000517	IC-VERTICAL DEF.;LA7845,SIP,7P,-,PLASTIC	
....4		6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	
....4		AA62-00056A	HEAT SINK-PS;-,-,T1.0,-,41*35*70,D2,-,-,	S.N.A
...3	IC501	AA96-50311A	ASSY H/S;-,VIDEO,AA62-30175D,TDA6107Q,-	S.N.A
....4		1201-001159	IC-VIDEO AMP;6107,ZSIP,9P,-,SINGLE,-,PLA	
....4		6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	
....4		AA62-30175D	HEAT SINK-PS;-,SECC,T1.0,-,33X15X30 FT-2	S.N.A
...3	IC601	AA96-50398A	ASSY H/S;-,-,AA62-30182E,TDA7297,-	S.N.A
....4		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
....4		1201-001064	IC-POWER AMP;7297,ZIP,15P,-,DUAL,32dB,PL	
....4		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	S.N.A
....4		AA62-30182E	HEAT SINK-ES;-,A6063 EXTR.,-,WHT,-,-,-,40	S.N.A
...3	IC602	1204-002038	IC-SOUND PROCESSOR;MSP3410G-PO-83V3,PSDI	
...3	IC701	1001-000199	IC-VIDEO SWITCH;NJM2246D,3-INPUT,DIP,8P,	
⚠ ...3	IC801S	AA96-50373H	ASSY H/S;-,POWER,AA62-30181K,5Q1265RT	S.N.A
....4		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
....4		1203-002257	IC-PWM CONTROLLER;5Q12656RT,TO-220F-5L,5	
....4		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	S.N.A
....4		AA62-30181K	HEAT SINK-ES;-,AL6063 EXTR.,2,WHT,40MM,-	S.N.A
⚠ ...3	IC802	AA96-50347B	ASSY H/S;-,POWER,AA62-30184A,KA7632,-	S.N.A
....4	CIS	0205-001027	OIL-SILICON;G746,-,-	S.N.A
....4	CIS	1203-001939	IC-POSI.FIXED REG.;7632,SIP,10P,-,PLASTI	
....4	CIS	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	
....4	CIS	AA62-30184A	HEAT SINK-PS;-,SPC,T1.0,FT-I,33*15*40,-,	S.N.A
...3	ICE01	1202-000103	IC-VOLTAGE COMP.;393,DIP,8P,300MIL,DUAL,	
...3	JA701	3722-001333	JACK-PIN;9P,3.2mm,NI,BLK,-	
...3	L402	AA27-00057A	COIL HORIZ. WIDTH;-,10mH,YL-9N 15x27.5 C	
⚠ ...3	L403	AA27-00286A	COIL CHOKE;1MH,CPTTV,1MH,10%,0.5OHM,1A,D	
...3	L810	AA27-00098A	COIL CHOKE;-,-,24uH,10%,-,0.1,3.0A,DR10X	
...3	LD201	AA96-00555A	ASSY LED GUIDE;-,-,UEX-LD-030,GREEN	S.N.A
⚠ ...3	LR401S	AA27-00111A	COIL LINEARITY;35uH,35uH,DR14x15,11mm,18	
⚠ ...3	LX801S	AA29-30002F	FILTER LINE NOISE;-,6mH,2.45A,-,-	
⚠ ...3	NT802S	1404-001045	THERMISTOR-NTC;4.7ohm,15%,2900K,35.0mW,T	
⚠ ...3	PC801S	0604-001038	PHOTO-COUPLER;TR,130-260%,200mW,DIP-4,ST	
⚠ ...3	PT801S	1404-001264	THERMISTOR-PTC;4.5OHM,+30/-20%,220V,290V	
...3	Q401	AA96-00624A	ASSY H/S;-,POWER,AA62-00057A,KSD5703,WAS	S.N.A
....4		AA62-00057A	HEAT SINK-PS;-,-,T1.0,-,41*20*60,D2,-,-,	S.N.A
....4		AA60-30001A	WASHER-PLATE;M3,ID3.5,15X8.5,T1.0,SBHG	S.N.A
....4		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	S.N.A
....4		0502-001136	TR-POWER;KSD5703,NPN,70W,TO-3PF,ST,8-	
....4		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
...3	R204	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

Level	Loc. No.	Code No.	Description ; Specification	Remark
⚠ ...3	RL801S	3501-001040	RELAY-POWER;12VDC,500mW,10A,1FormA,15mS,	
...3	RM201	AA32-00015A	MODULE REMOCON;FRP-3521H31,38KHZ,940MM,M	
⚠ ...3	SF101S	2904-001195	FILTER-SAW AV;38.9MHz,SIP5K,ST,17.9dB,B/	
⚠ ...3	SF102S	2904-001143	FILTER-SAW AV;38.9MHz,SIP5K,ST,18dB,B/G,	
⚠ ...3	SW801S	3403-000179	SWITCH-PUSH;250V,5A,DPST,-,JPW-2104B	
⚠ ...3	T401	AA26-50001M	TRANS-HORIZ.DRIVE;-,-,-,80mH,-,-,520uH,-	
⚠ ...3	T444S	AA26-00057A	TRANS FBT;-,FUH-29A001B(S),25/29,130	
⚠ ...3	T801S	AA26-00111A	TRANS SWITCHING;,CS21S5T,AC160~320V,PM5	
⚠ ...3	TU01S	AA40-00070A	TUNER;TEDE9-203A,PAL,181CH,38.9MHZ,75OHM	
⚠ ...3	V999S	3704-001105	SOCKET-CRT;11P,20PI,26.5PI,NI,-	
...3		AA65-30009A	CLAMPER CORE-FBT;-,ABS,V0,-,BLK,-	S.N.A
...3		AA97-07615E	ASSY AUTO-MAIN;CS29D8NTPX/SAP,S56A,SINGA	S.N.A
....4	C101	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C102	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4	C103	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C105	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4	C106	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C107	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C108	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C109	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C110	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C117	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
....4	C201	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
....4	C203	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
....4	C206	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
....4	C207	2309-000138	C-FILM,PE-PPF;100nF,5%,50V,TP,20x16x8.5,	
....4	C208	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4	C209	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4	C210	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C211	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C212	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
....4	C213	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
....4	C214	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
....4	C215	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
....4	C216	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C217	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
....4	C218	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C220	2305-000411	C-FILM,MPEF;470nF,5%,50V,TP,7.3x4.8x5.5m	
....4	C223	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4	C224	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C225	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C226	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C227	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
....4	C228	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C229	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C230	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C231	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C232	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C233	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	
....4	C236	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C237	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C238	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C240	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
....4	C243	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
....4	C244	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4	C245	2202-000849	C-CERAMIC,MLC-AXIAL;0.018NF,5%,50V,C0G,T	
....4	C246	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C247	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
....4	C248	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C249	2201-000573	C-CERAMIC,DISC;0.047NF,5%,50V,C0G,TP,5X3	
....4	C250	2201-000573	C-CERAMIC,DISC;0.047NF,5%,50V,C0G,TP,5X3	
....4	C251	2201-000138	C-CERAMIC,DISC;0.1NF,10%,50V,Y5P,TP,4X4M	
....4	C252	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C253	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
....4	C259	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
....4	C260	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C261	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C301	2305-000285	C-FILM,MPEF;220NF,5%,100V,TP,10.5X5.5X15	
....4	C302	2201-002103	C-CERAMIC,DISC;0.015NF,5%,500V,C0G,TP,6.	
....4	C303	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
....4	C304	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,	
....4	C305	2301-000254	C-FILM,PEF;39nF,5%,50V,TP,7.5x3.5x6.5mm,	
....4	C306	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,	

Level	Loc. No.	Code No.	Description ; Specification	Remark
....4	C310	2301-000247	C-FILM,PEF;33nF,5%,50V,TP,8.1x4.5x13mm,5	
....4	C407	2305-000382	C-FILM,MPEF;4.7nF,5%,400V,TP,-,5mm	
....4	C408	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C409	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
....4	C410	2201-000599	C-CERAMIC,DISC;0.56NF,10%,500V,Y5P,TP,5.	
....4	C411	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5.	
....4	C412	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
....4	C413	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5.	
....4	C414	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
....4	C415	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5.	
....4	C416	2401-000927	C-AL;22uF,20%,250V,GP,TP,13x20,5	
....4	C417	2306-000224	C-FILM,MPPF;47nF,5%,400V,TP,19x15.5x7,7.	
....4	C419	2401-002268	C-AL;2.2uF,20%,250V,LZ,TP,8X11,5	
....4	C504	2301-001259	C-FILM,MPPF;100nF,5%,400V,TP,19x8x16,7.5	
....4	C505	2202-000825	C-CERAMIC,MLC-AXIAL;680pF,10%,50V,Y5P,TP	
....4	C506	2401-000430	C-AL;10uF,20%,250V,GP,TP,10x16mm,5m	
....4	C507	2401-001232	C-AL;4.7uF,20%,250V,GP,TP,10x12.5,5	
....4	C508	2201-000723	C-CERAMIC,DISC;4.7NF,20%,3KV,Y5U,TP,16X5	
....4	C601	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
....4	C602	2301-000232	C-FILM,PEF;3.3nF,5%,50V,TP,8.1x4.5x13mm,	
....4	C603	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
....4	C604	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
....4	C605	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
....4	C607	2401-001998	C-AL;1000uF,20%,25V,GP,TP,10x20,5mm	
....4	C630	2201-000304	C-CERAMIC,DISC;0.001NF,0.25PF,50V,C0G,TP	
....4	C631	2201-000304	C-CERAMIC,DISC;0.001NF,0.25PF,50V,C0G,TP	
....4	C632	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
....4	C634	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4	C635	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C637	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C638	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C640	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C641	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C644	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
....4	C645	2301-000010	C-FILM,PEF;100nF,5%,100V,TP,11.5x12.5mm,	
....4	C646	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C647	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C650	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C651	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C652	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
....4	C653	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
....4	C654	2201-000982	C-CERAMIC,DISC;10NF,+80-20%,50V,Y5V,TP,4	
....4	C655	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
....4	C656	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C657	2301-000108	C-FILM,PEF;1.5nF,5%,50V,TP,6.5x3.0x5.5mm	
....4	C660	2301-000232	C-FILM,PEF;3.3nF,5%,50V,TP,8.1x4.5x13mm,	
....4	C661	2301-000108	C-FILM,PEF;1.5nF,5%,50V,TP,6.5x3.0x5.5mm	
....4	C662	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C663	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C664	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C665	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C666	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C700	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
....4	C701	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
....4	C707	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C709	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
....4	C716	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
....4	C717	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C718	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C719	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C720	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C721	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
....4	C722	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
....4	C723	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
....4	C724	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
....4	C725	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
....4	C726	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
....4	C732	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C733	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C736	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C737	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C802	2401-001192	C-AL;33uF,20%,50V,GP,TP,6.3x11,5	
....4	C804	2201-000332	C-CERAMIC,DISC;2.2NF,20%,250V,Y5U,TP,9X4	
....4	C805	2201-000332	C-CERAMIC,DISC;2.2NF,20%,250V,Y5U,TP,9X4	
....4	C806	2301-000289	C-FILM,PEF;5.6nF,5%,50V,TP,7x6x3,5	
....4	C807	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C808	2301-001435	C-FILM,PPF;1.5nF,5%,1.2kV,TP,15x8x12.5mm	
....4	C809	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
....4	C821	2201-000599	C-CERAMIC,DISC;0.56NF,10%,500V,Y5P,TP,5.	
....4	C822	2401-000711	C-AL;2200uF,20%,25V,GP,TP,16x25,7.5	
....4	C823	2201-000599	C-CERAMIC,DISC;0.56NF,10%,500V,Y5P,TP,5.	
....4	C824	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.5	
....4	C826	2201-000991	C-CERAMIC,DISC;0.56NF,10%,2KV,Y5P,TP,7.5	
....4	C828	2401-000262	C-AL;100uF,20%,160V,HR,TP,16x25,7.5	
....4	C830	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
....4	C833	2401-003028	C-AL;100uF,20%,25V,WT,TP,6.3x11,5	
....4	C834	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C835	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C836	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C837	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
....4	C838	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C839	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4	C840	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
....4	C887	2201-000374	C-CERAMIC,DISC;0.22NF,5%,50V,C0G,TP,10.5	
....4	CE01	2401-002597	C-AL;220uF,20%,35V,GP,TP,10x12.5,5	
....4	CE02	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
....4	CE03	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
....4	CE04	2301-000232	C-FILM,PEF;3.3nF,5%,50V,TP,8.1x4.5x13mm,	
....4	CN602	3711-002644	CONNECTOR-HEADER;BOX,5P,1R,2.5mm,STRAIGH	
....4	CN701	3711-002647	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGH	
⚠ 4	CR404S	2301-001401	C-FILM,PPF;27nF,5%,630V,TP,19x11x17mm,7.	
⚠ 4	CR405S	2201-000132	C-CERAMIC,DISC;0.1NF,10%,500V,Y5P,TP,6.5	
....4	D101	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D102	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D201	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D205	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D206	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D207	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D208	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D209	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D301	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D302	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D304	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠ 4	D401	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5A,-,TP	
⚠ 4	D402	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
⚠ 4	D403	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
⚠ 4	D404	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
⚠ 4	D405	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠ 4	D406	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
....4	D501	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
....4	D502	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
....4	D503	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
....4	D504	0402-000010	DIODE-RECTIFIER;RGP15G,400V,1.5A,DO-204A	
....4	D602	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	D603	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
⚠ 4	D802	0402-000254	DIODE-RECTIFIER;RGP10J,600V,1A,DO-41,TP	
⚠ 4	D804	0401-000006	DIODE-SWITCHING;BAV21,250V,250mA,DO-35,T	
⚠ 4	D807	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
⚠ 4	D810	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D901	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	D951	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4	DE01	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
....4	DE02	2001-000037	R-CARBON(S);330OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	DE03	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
....4	DE04	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
....4	DZ105	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ201	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ202	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ203	0403-000719	DIODE-ZENER;MTZJ7.5B,7.5V,7.07-7.45V,500	
....4	DZ204	0403-001321	DIODE-ZENER;MTZJ6.8C,6.66-7.01V,500mW,DO	
....4	DZ205	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ206	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ207	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ208	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500mW,DO	
....4	DZ209	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ210	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ211	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500mW,DO	
....4	DZ212	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500mW,DO	
....4	DZ215	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ221	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500mW,DO	
....4	DZ301	0403-001328	DIODE-ZENER;MTZJ22A,20.15-21.20V,500mW,D	
....4	DZ302	0403-001329	DIODE-ZENER;MTZJ24B,22.61-23.77V,500mW,D	

Level	Loc. No.	Code No.	Description ; Specification	Remark
....4	DZ303	0403-001221	DIODE-ZENER;UZ39BSB,35.36-37.19V,500MW,D	
....4	DZ304	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
....4	DZ305	0403-001328	DIODE-ZENER;MTZJ22A,20.15-21.20V,500mW,D	
....4	DZ401	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	DZ402	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ403	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4	DZ501	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ502	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ503	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ504	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ701	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ702	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ703	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ705	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ706	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ803	0403-000716	DIODE-ZENER;MTZJ4.7B,4.7V,4.55-4.8V,500m	
....4	DZ804	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4	DZ805	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4	DZ806	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
....4	DZ807	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ808	0403-000510	DIODE-ZENER;MTZJ6.2B,6.2V,5.96-6.27V,500	
....4	DZ810	0403-000699	DIODE-ZENER;TZP27B,27V,27-30.8V,1W,DO-41	
....4	DZ811	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ812	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
....4	DZ813	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4	DZ814	0403-001317	DIODE-ZENER;MTZJ3.0B,3.01-3.22V,500mW,DO	
....4	EL311	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL312	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL401	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL402	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL411	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL413	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL501	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL502	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL803	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL804	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL806	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EL807	6042-000001	EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY301	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY302	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY311	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY401	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY402	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY403	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY404	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY405	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY406	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY407	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY409	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY410	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY411	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY412	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY413	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY414	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY415	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY416	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY417	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY418	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY419	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY420	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY421	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY422	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY423	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY424	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY425	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY426	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY427	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY428	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY430	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY431	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY432	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY433	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY434	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY435	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY437	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY440	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY441	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A

Level	Loc. No.	Code No.	Description ; Specification	Remark
....4	EY601	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY602	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY603	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY604	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY701	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY702	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY703	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY704	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY801	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY802	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY803	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY804	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY805	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY806	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY807	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY808	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY809	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY810	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY811	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY812	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY814	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY815	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY816	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY818	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY819	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY820	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY821	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY822	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY823	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY824	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY825	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY826	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY827	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY828	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY829	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY830	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY831	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY832	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY833	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY835	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY836	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY837	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY838	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY839	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY840	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY841	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY842	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY843	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY844	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY845	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY846	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY847	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY848	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY849	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY850	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY851	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY852	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY853	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY854	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY855	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY856	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY857	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY858	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	EY859	6042-000002	EYELET;ID1.5,OD2,L3.1,SN,BSS3-E/EH	S.N.A
....4	F801A	3602-000114	FUSE-HOLDER;-,-,30mohm	
....4	F801B	3602-000114	FUSE-HOLDER;-,-,30mohm	
⚠ 4	FD801S	3601-001228	FUSE-AXIAL LEAD;125V,10A,FAST-ACTING,EPO	
⚠ 4	FD802S	3601-001065	FUSE-AXIAL LEAD;125V,3.5A,FAST-ACTING,CE	
....4	GT102	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT501	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT502	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT503	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT801	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT802	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT803	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT804	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	GT805	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A

Level	Loc. No.	Code No.	Description ; Specification	Remark
....4	GT806	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
....4	HC101	AA13-20004W	IC HYBRID;-,PAP103T,SIP,6P,PRE-AMP,TP	
....4	IC631	1203-000515	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL	
⚠ 4	IC852	1203-001217	IC-POSI.ADJUST REG.;431,TO-92,3P,4.58MIL	
....4	J170	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4	J179	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	J180	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4	J181	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	J199	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	L101	2701-000202	INDUCTOR-AXIAL;560nH,10%,2.5x3.4mm	
....4	L102	2701-000159	INDUCTOR-AXIAL;22uH,10%,4.2x9.8mm	
....4	L201	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
....4	L202	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4	L205	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
....4	L206	2701-000168	INDUCTOR-AXIAL;3.3uH,5%,2.5x3.4mm	
....4	L211	2701-000197	INDUCTOR-AXIAL;5.6uH,10%,2.5x3.4mm	
....4	L220	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
....4	L221	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
....4	L301	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L302	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L404	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L405	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
....4	L406	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L407	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
....4	L501	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
....4	L601	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
....4	L603	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L604	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,3x7mm	
....4	L630	2701-000169	INDUCTOR-AXIAL;3.9uH,10%,2.5x3.4mm	
....4	L631	2701-000169	INDUCTOR-AXIAL;3.9uH,10%,2.5x3.4mm	
....4	L701	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L702	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L703	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L704	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L705	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L706	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L707	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L708	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4	L709	2701-000127	INDUCTOR-AXIAL;15uH,10%,2.5x3.4mm	
....4	L710	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4	L801	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L802	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L803	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L804	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L805	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
....4	L809	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	L888	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4	LE01	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4	LE02	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
....4	PCB	AA41-00785A	PCB-MAIN;CS29D8,FR-1,1L,A,1.6T,245X330,S	S.N.A
....4	Q101	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q102	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q103	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q201	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
....4	Q202	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q203	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q204	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q205	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
....4	Q206	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q207	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q208	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
....4	Q211	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q212	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q301	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
....4	Q403	0502-001007	TR-POWER;KSC2073-H2,NPN,25W,TO-220,ST,6	
....4	Q700	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q701	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q702	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4	Q703	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
....4	Q804	0502-000242	TR-POWER;KSA614,PNP,25W,TO-220,TP,40-24	
....4	Q951	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
....4	QE01	0505-000156	FET-SILICON;IRF620,N,200V,5A,0.8ohm,50W,	
....4	R101	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R102	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R103	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R104	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R105	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R106	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R107	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R110	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R111	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R114	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R115	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R201	2001-000739	R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R203	2004-001914	R-METAL;39Kohm,2%,1/8W,AA,TP,1.8x3.5mm	
....4	R205	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R206	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R207	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R209	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R210	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R211	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R212	2001-000739	R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R213	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R214	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R215	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R216	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R218	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R220	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R223	2001-000702	R-CARBON;39KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R224	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R226	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R227	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R228	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R230	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R231	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R232	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R233	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R234	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R235	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R241	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
....4	R243	2001-000011	R-CARBON;75KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R244	2001-000954	R-CARBON;750KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R247	2001-000989	R-CARBON;820KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R249	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
....4	R250	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R251	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R252	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R253	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R254	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R255	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R256	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R257	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R258	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R259	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R260	2001-000343	R-CARBON;130OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R261	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R262	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R264	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R265	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
....4	R266	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R267	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R268	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R269	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R270	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R271	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4	R272	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R273	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R274	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R275	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R285	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R286	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R289	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R291	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R301	2001-000016	R-CARBON(S);1OHM,5%,1/2W,AA,TP,2.4X6.4MM	
....4	R303	2004-001394	R-METAL(S);2Kohm,1%,1/2W,AA,TP,2.4x6.4mm	
....4	R304	2003-000537	R-METAL OXIDE(S);1Kohm,5%,1W,AF,TP,3.3x9	
....4	R305	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R308	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R310	2003-002150	R-METAL OXIDE;270OHM,5%,2W,AG,TP,6X16MM	
....4	R311	2003-002150	R-METAL OXIDE;270OHM,5%,2W,AG,TP,6X16MM	
....4	R313	2004-001394	R-METAL(S);2Kohm,1%,1/2W,AA,TP,2.4x6.4mm	
....4	R314	2008-000266	R-FUSIBLE(S);1ohm,5%,2W,AF,TP,3.9x10mm	

Level	Loc. No.	Code No.	Description ; Specification	Remark
....4	R315	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R402	2003-000755	R-METAL OXIDE(S);6.8Kohm,5%,2W,AF,TP,4x1	
....4	R403	2003-000993	R-METAL OXIDE(S);3.9Kohm,5%,1W,AF,TP,2.5	
....4	R405	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4	R406	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R407	2003-001040	R-METAL OXIDE(S);47Kohm,5%,2W,AF,TP,3.9x	
....4	R408	2003-001040	R-METAL OXIDE(S);47Kohm,5%,2W,AF,TP,3.9x	
....4	R409	2001-001077	R-CARBON(S);150OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R410	2004-001967	R-METAL(S);68Kohm,1%,1/2W,AA,TP,2.5x6.5m	
....4	R411	2004-001402	R-METAL(S);6.8Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4	R412	2008-000253	R-FUSIBLE(S);0.47ohm,5%,1W,AF,TP,3.9x10m	
....4	R413	2001-001195	R-CARBON(S);82OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4	R415	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
....4	R416	2008-000253	R-FUSIBLE(S);0.47ohm,5%,1W,AF,TP,3.9x10m	
....4	R421	2003-000540	R-METAL OXIDE(S);1Kohm,5%,2W,AF,TP,4x12m	
....4	R424	2003-002008	R-METAL OXIDE(S);18Kohm,5%,2W,AF,TP,3.9x	
....4	R501	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R501H	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
....4	R502H	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
....4	R504	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R505	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R511	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
....4	R512	2008-000299	R-FUSIBLE(S);47ohm,5%,2W,AF,TP,3.9x10mm	
....4	R513	2003-002070	R-METAL OXIDE;1ohm,5%,2W,AF,TP,3.9x10mm	
....4	R514	2001-001062	R-CARBON(S);10MOHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R521	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R522	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R523	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R603	2001-000878	R-CARBON;6.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R604	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R606	2001-000878	R-CARBON;6.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R607	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R608	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R633	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R634	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R639	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R640	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R641	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R645	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R646	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R703	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R704	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R706	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R708	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R709	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R710	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R711	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R712	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R713	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R715	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R717	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R720	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R722	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R723	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R724	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R725	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R726	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R727	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R729	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R730	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R731	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R732	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R733	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R734	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R736	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R737	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R738	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R741	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R742	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R743	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R802	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
....4	R803	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
....4	R804	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
....4	R805	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R806	2001-000019	R-CARBON(S);10OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4	R807	2001-001170	R-CARBON(S);6.8OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R808	2001-001170	R-CARBON(S);6.8OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R809	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R810	2001-001192	R-CARBON(S);820OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R811	2001-001070	R-CARBON(S);120OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	R812	2001-001182	R-CARBON(S);7.5KOHM,5%,1/2W,AA,TP,2.4X6.	
....4	R813	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	
....4	R814	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	
....4	R825	2004-001889	R-METAL(S);127Kohm,1%,1/2W,AA,TP,2.5x6.5	
....4	R826	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R827	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
....4	R828	2004-001983	R-METAL(S);2.49Kohm,1%,1/2W,AA,TP,2.4x6.	
....4	R829	2004-001371	R-METAL(S);1.5Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4	R833	2003-002064	R-METAL OXIDE;7.5ohm,5%,2W,AF,TP,10x3.9m	
....4	R834	2003-002064	R-METAL OXIDE;7.5ohm,5%,2W,AF,TP,10x3.9m	
....4	R835	2003-002064	R-METAL OXIDE;7.5ohm,5%,2W,AF,TP,10x3.9m	
....4	R836	2003-000998	R-METAL OXIDE;300ohm,5%,2W,AF,TP,3.9x10m	
....4	R837	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
....4	R838	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
....4	R840	2008-000266	R-FUSIBLE(S);1ohm,5%,2W,AF,TP,3.9x10mm	
....4	R841	2008-000294	R-FUSIBLE(S);33ohm,5%,2W,AF,TP,3.9x10mm	
....4	R842	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R843	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R845	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R846	2001-000117	R-CARBON(S);68OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4	R901	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R902	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R903	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R908	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R909	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R910	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R911	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R912	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R913	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	R914	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	RE02	2004-001971	R-METAL(S);6.2Kohm,1%,1/2W,AA,TP,2.5x6.5	
....4	RE03	2004-001402	R-METAL(S);6.8Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4	RE04	2004-001023	R-METAL;5.6Kohm,1%,1/8W,AA,TP,1.8x3.2m	
....4	RE05	2008-000253	R-FUSIBLE(S);0.47ohm,5%,1W,AF,TP,3.9x10m	
....4	RE06	2004-005051	R-METAL(S);2.2KOHM,1%,1/2W,AA,TP,2.4X6.4	
....4	RE07	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	RE09	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
....4	RE10	2004-001971	R-METAL(S);6.2Kohm,1%,1/2W,AA,TP,2.5x6.5	
....4	RE11	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
⚠	4	RR401S	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm
⚠	4	RX801S	2002-001010	R-COMPOSITION;1.8Mohm,5%,1/2W,AA,TP,3.7x
⚠	4	RY801S	2002-001012	R-COMPOSITION;8.2Mohm,5%,1/2W,AA,TP,3.7x
	4	SW201	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP
	4	SW202	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP
	4	SW203	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP
	4	SW204	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP
	4	SW205	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP
⚠	4	VP801S	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP
⚠	4	VX801S	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP
	4	X201	2801-003433	CRYSTAL-UNIT;12MHZ,30PPM,28-AAM,30PF,30O
	4	X601	2801-000186	CRYSTAL-UNIT;18.432MHz,25ppm,28-AAM,8pF,
	4	Z202	2903-000129	FILTER-CERAMIC;BR,4.5MHz,-,-,-,TP,-
	4	Z203	2903-001240	FILTER-CERAMIC;TR,5.5MHz,-,28dB,-,TP,-
	...3		AA65-30104C	CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2, S.N.A
	...3		AA65-30018A	CLAMPER CORE-WIRE;DONG-A,NYLON-66,-,-,-, S.N.A
	...3		AA39-20010B	LEAD CONNECTOR-ASSY;,1P,500,YFH800-01,S,
	..2		AA95-03090A	ASSY SUB-PCB,A/V SIDE;25V5,S56A S.N.A
	...3	CN01A	AA39-20068E	LEAD CONNECTOR-ASSY;,8P,500,YBNH025-08,6
	...3	CN05A	AA39-20069C	LEAD CONNECTOR-ASSY;,5P,400,YBNH025-05,6
	...3	CN06A	AA39-00070A	LEAD CONNECTOR-ASSY;,4P,200MM,YBNH250-04
	...3	JA01	3722-001031	JACK-PIN;3P,3.6mm,#18,AU
	...3	JE01	3722-000143	JACK-PHONE;1P(VER),3.4PI,AG,BLK,NO
	...3		AA97-13001A	ASSY AUTO-A/V SIDE;AA95-03090A S.N.A
	4	CA01	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP
	4	CA02	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP
	4	CA03	2202-000222	C-CERAMIC,MLC-AXIAL;3.3nF,20%,16V,Y5P,TP
	4	CA04	2202-000222	C-CERAMIC,MLC-AXIAL;3.3nF,20%,16V,Y5P,TP
	4	CA06	2401-000025	C-AL;100uF,20%,16V,GP,TP,6.3x11,5
	4	CA07	2401-000025	C-AL;100uF,20%,16V,GP,TP,6.3x11,5
	4	LA01	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm
	4	LA02	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm
	4	LA03	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm
	4	LA04	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm
	4	PCB	AA41-00747A	PCB-SIDE A/V;CS29D8,FR-1,1L,A,1.6T,245X2 S.N.A

Level	Loc. No.	Code No.	Description ; Specification	Remark
....4	RA01	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
....4	RA02	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
...3		AA63-10002A	BAND-TIE;NYLON66 V2,L100,NTR	S.N.A
...3		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
⚠ ..2		AA96-20109C	ASSY POWER CORD;-,CP2/NO(4.0),H/C300,KKP	S.N.A
...3		3811-000401	WIRE-PVC CU;BCWA,300V,ROLL,17/0.16mm,#22	S.N.A
...3		AA39-10006X	CBF POWER CORD;-,KKP419C,KLCE-2F,2.286MT	
...3		AA61-20284A	HOLDER;P-CORD,PP;-,-,-,BLK,V0,KE-002	S.N.A

ASSY CPT

1	*	AA91-05959A	ASSY CPT;,A68QBT892X001(D),0MG,ITC,AA03-	S.N.A
⚠ ..2		AA03-00222A	CRT COLOR;A68QBT892X001(D),0MG,0.97MH,18	
..2		AA27-00264A	COIL DEGAUSSING;,29INCH,10%,35TS,4.5OHM,	
..2		AA98-70008C	ASSY TBC WIRE(P);-,TVI 29',NTSC,2P-WH,-	S.N.A

ASSY COVER FRONT

1	*	AA90-02790D	ASSY COVER FRONT;CS29D8NTPX/SAP	S.N.A
..2	AJ+CF	6003-001268	SCREW-TAPTITE;TH,+,B,M4.0,L12.0,ZPC(YEL)	S.N.A
..2	CB+CF	AA60-10050T	SCREW-TAPPING;-,SWRCH18A,M4,L20,RH,+,2S,	S.N.A
..2	CB+RCA	AA60-10050T	SCREW-TAPPING;-,SWRCH18A,M4,L20,RH,+,2S,	S.N.A
..2		AA91-00409Q	ASSY CABINET FRONT;,29D8 S56A,(SPK)SV012	
...3	KC+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
...3	KNOPOW	AA61-60003J	SPRING ETC-CS;-,SUS304,-,-,OD6,N7,OD6,-,	S.N.A
...3	PC+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
...3	SPK+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
...3	WIN+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
...3		AA64-60448W	INLAY AV;S51A,PS SHEET,T0.3,BLK,SILVER E	S.N.A
...3		AA64-01012J	KNOB CONTROL;21.29D8,ABS,HB,G3676,SVM-30	
...3		AA64-01011B	INDICATOR LED;29D8,ACRYL,-,CLR,-,-,-	
...3		AA64-70117B	BADGE-BRAND;-,AL,-,-,L65,R2000,SILVER,SS	S.N.A
...3		AA96-00358D	ASSY SPEAKER;-,16OHMX2,5WX2,3001-001072,	S.N.A
....4		3001-001072	SPEAKER;5W,16OHM,90DB,180HZ	
....4		AA39-00076F	LEAD CONNECTOR-ASSY;,4P,400/800/250MM,35	
...3		AA65-00011C	CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2,	S.N.A
...3		AA65-30105A	CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2,	S.N.A
...3		AA61-40113A	STOPPER-PCB;501H,HIPS,-,-,HB,NTR,-	S.N.A
...3		AA64-01001Y	CABINET-FRONT;29D7,8,HIPS,HB,G4309,SV012	S.N.A
...3		AA64-01008P	PANEL CONTROL;29D8,HIPS,HB,G4309,SV012P	S.N.A
...3		AA64-01009F	KNOB POWER;29D8,ABS,HB,G3676,SVM3012	
...3		AA64-01010B	WINDOW REMOCON;29D8,PC,-,-,-,VO,VIOLET,-	S.N.A
..2		AA65-30017A	CLAMPER CORE-D,COIL;-,NYLON-66,V0,-,NTR,	S.N.A
..2		AA65-00019A	CLAMPER CORE-D,COIL;25-34,NYLON 66,V2,N	S.N.A
..2		AA63-60004G	SPACER-GUM,CRT;-,NTR RUBBER,-,-,-,GRY,T3	S.N.A
..2		AA60-10050V	SCREW-ASSY;-,SWRCH18A,M6,L30,HH,+,WC,-,Z	S.N.A

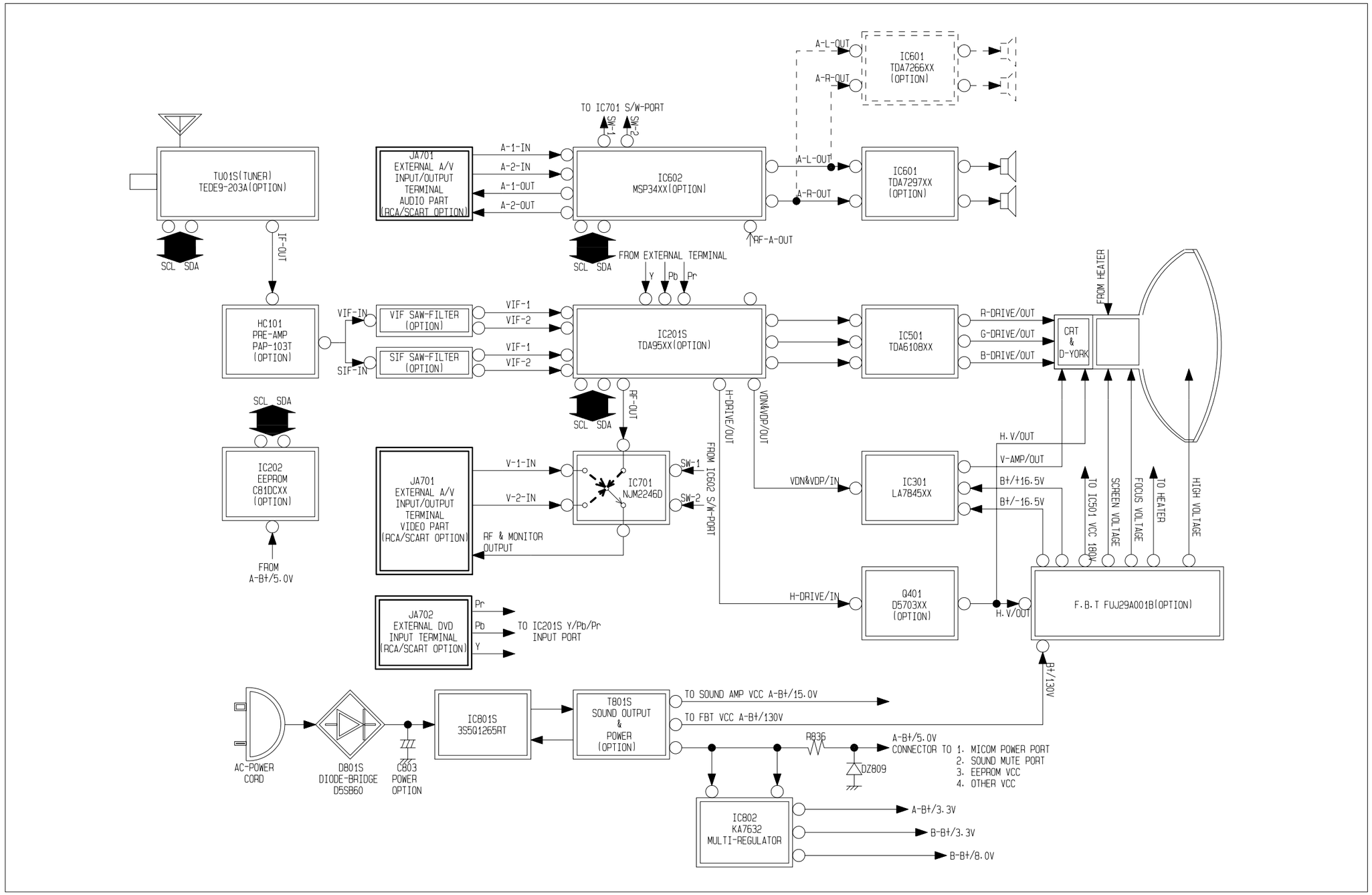
ASSY COVER REAR

1	*	AA90-02031K	ASSY COVER REAR;29D8,V0 G4309,RCA9P	S.N.A
..2	BACK	AA61-20129C	HOLDER-WIRE;29Z4,NYLON-66,GRAY,DAFC-2500	S.N.A
..2	CABBAC	AA60-00091P	SPACER-FELT;,FELT,500X10,BLK,T0.5	S.N.A
..2		AA65-30008A	CLAMPER CORE-CORD;-,PE,HB,-,BLK,-	S.N.A
..2		AA64-01002K	CABINET BACK;29D8,HIPS,V0,G4309	
..2		AA64-00892B	INLAY-BACK;D2,D3,PS SHEET,T0.3,-,-,BLK,R	S.N.A
..2		AA60-00091J	SPACER-FELT;-,FELT,330X10,-,-,BLK,T0.5,-	S.N.A

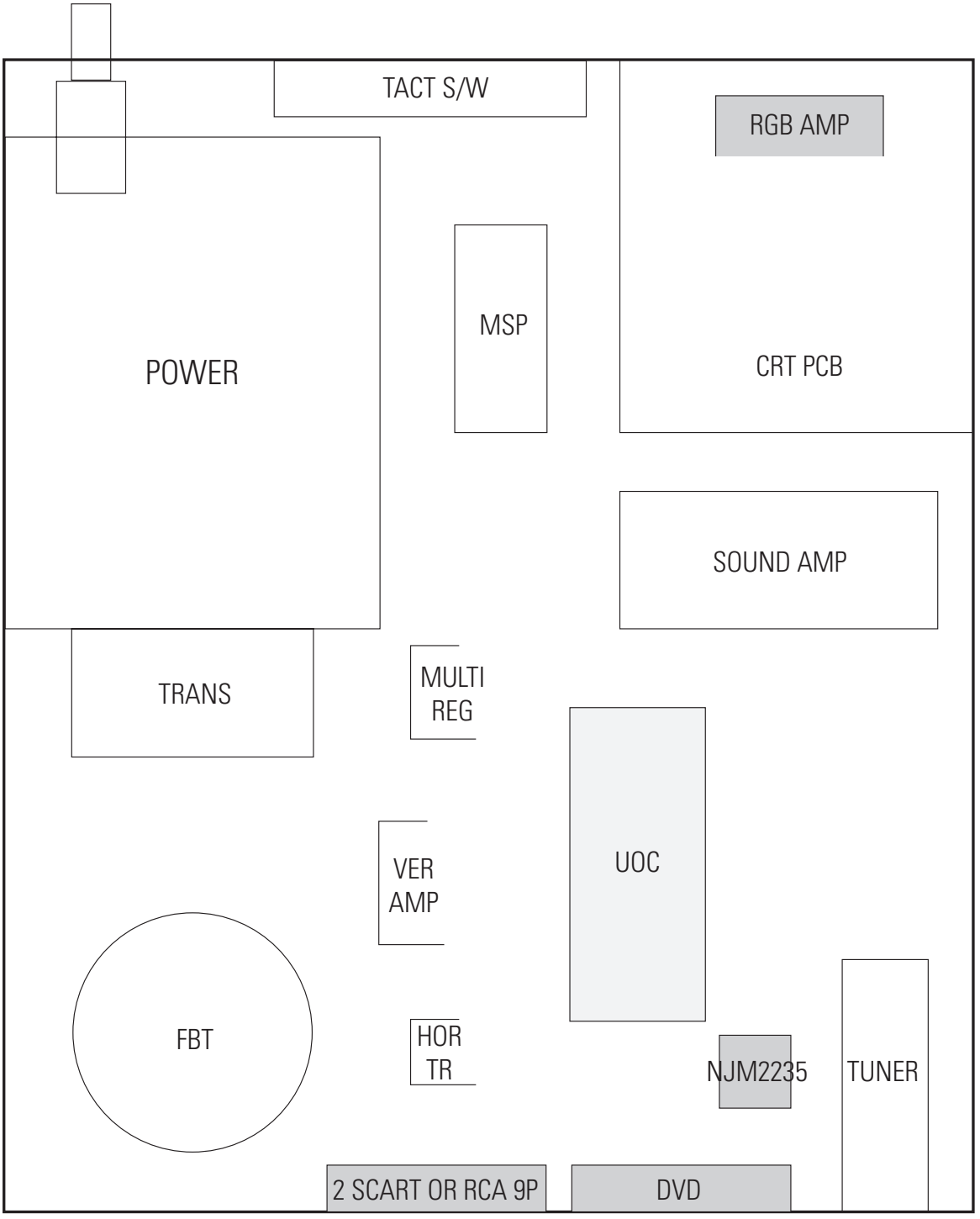
ASSY ACCESSORY

1	*	AA92-07525A	ASSY ACCESSORY;CS29D8NTPX/SAP,SINGAPORE,	S.N.A
..2		AA59-00104K	REMOCON;-,TM59,DREAM,29,L/GRAY,PAL-TTX,E	
..2		AA68-02515A	MANUAL USERS;CS29D8W,ENG,W/P100G,S56A	
..2		AA69-00862A	BAG PE;-,HDPE PE FOAM,T0.03,W400,H240,-,	S.N.A

8. Block Diagrams



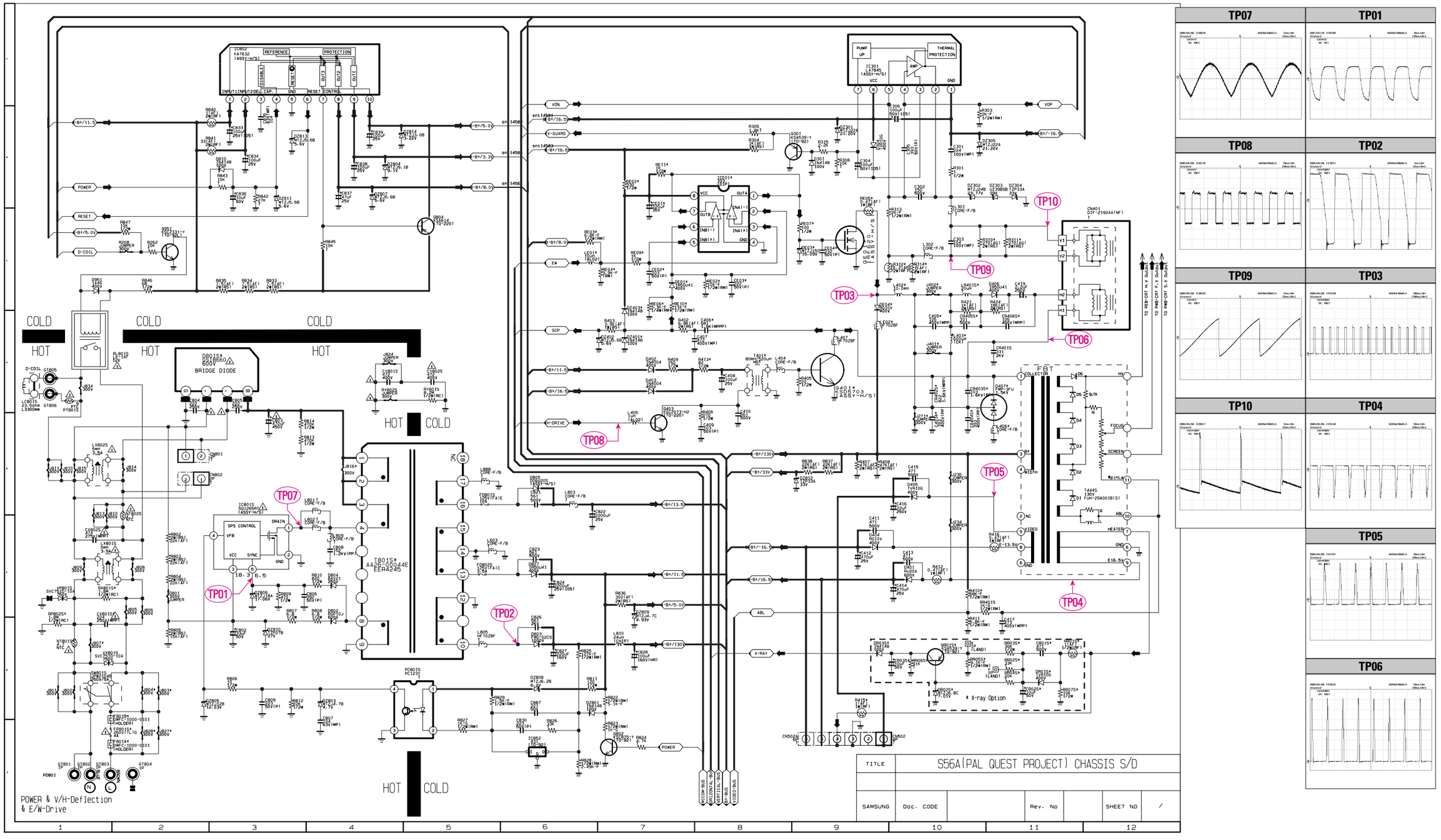
9. Wiring Diagram



MEMO

10. Schematic Diagrams

10-1 MAIN 1



TP07

TP01

TP08

TP02

TP09

TP03

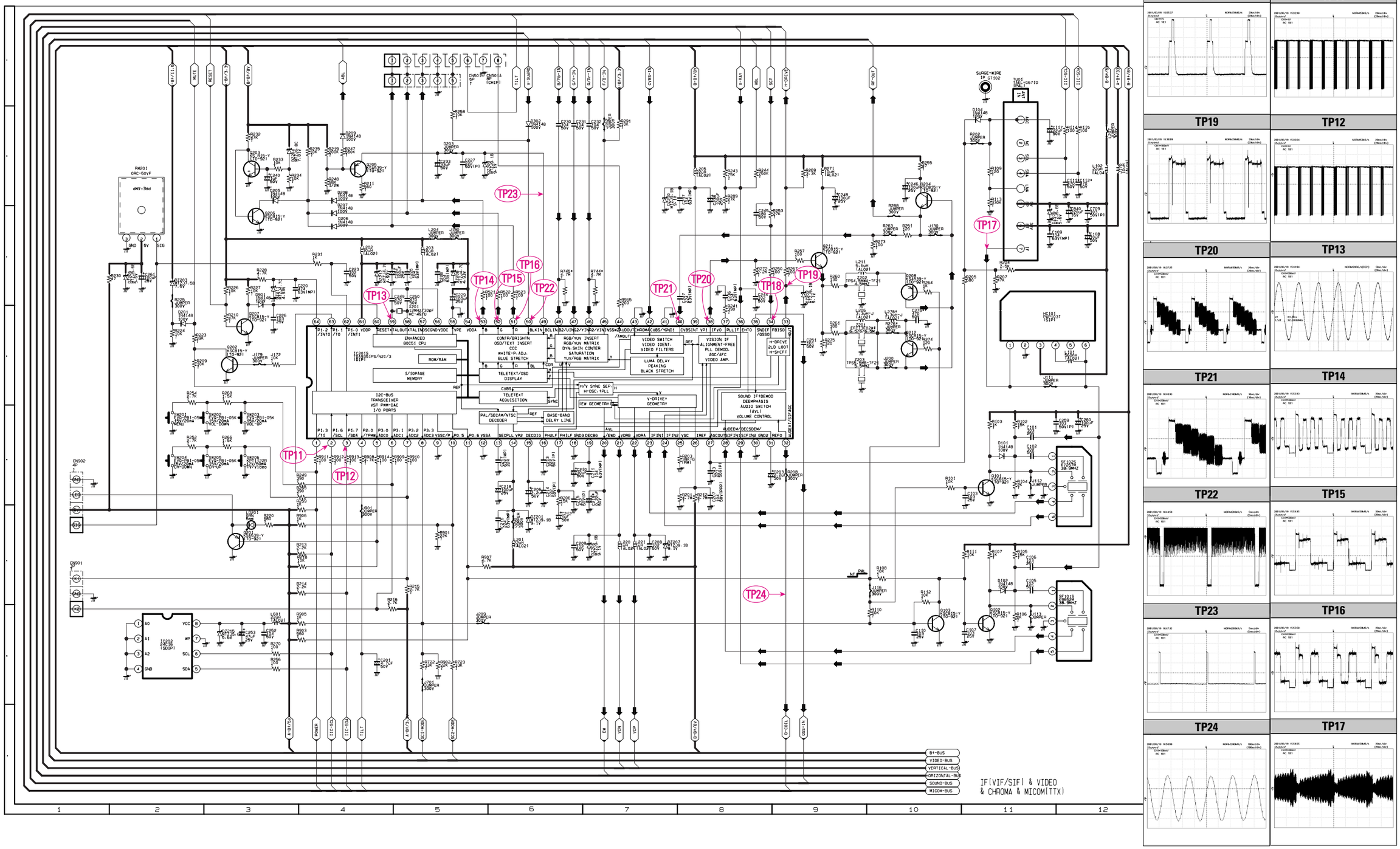
TP10

TP04

TP05

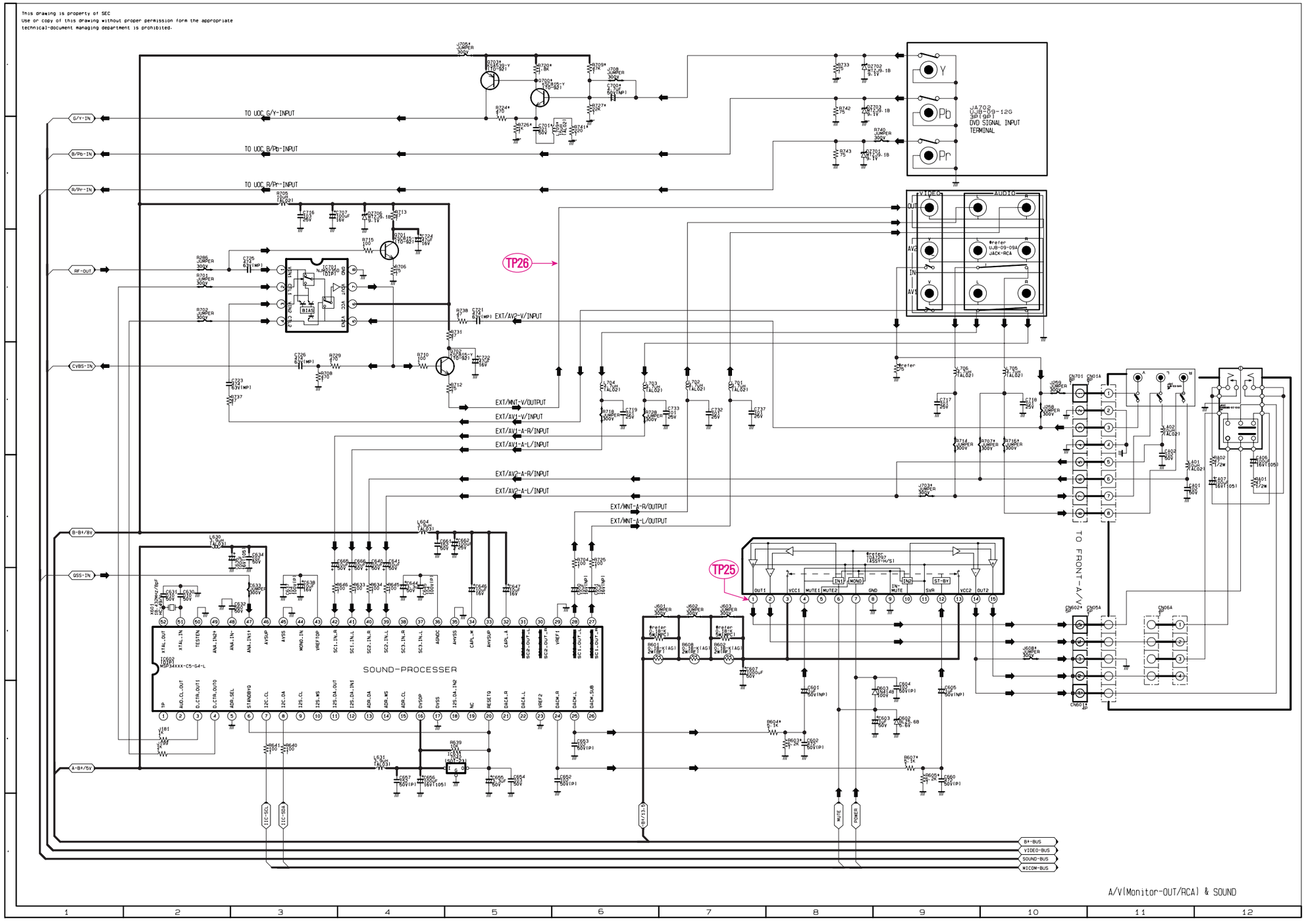
TP06

10-2 MAIN 2


TP11
TP12
TP13
TP14
TP15
TP16
TP17
TP18
TP19
TP20
TP21
TP22
TP23
TP24
IF(VIF/SIF) & VIDEO
& CHROMA & MICOM(TTX)
B+-BUS
VIDEO-BUS
VERTICAL-BUS
HORIZONTAL-BUS
SOUND-BUS
MICOM-BUS

TP18
TP11
TP19
TP12
TP20
TP13
TP21
TP14
TP22
TP15
TP23
TP16
TP24
TP17

10-3 MAIN 3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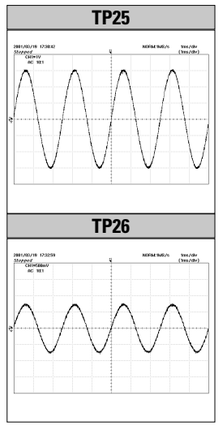
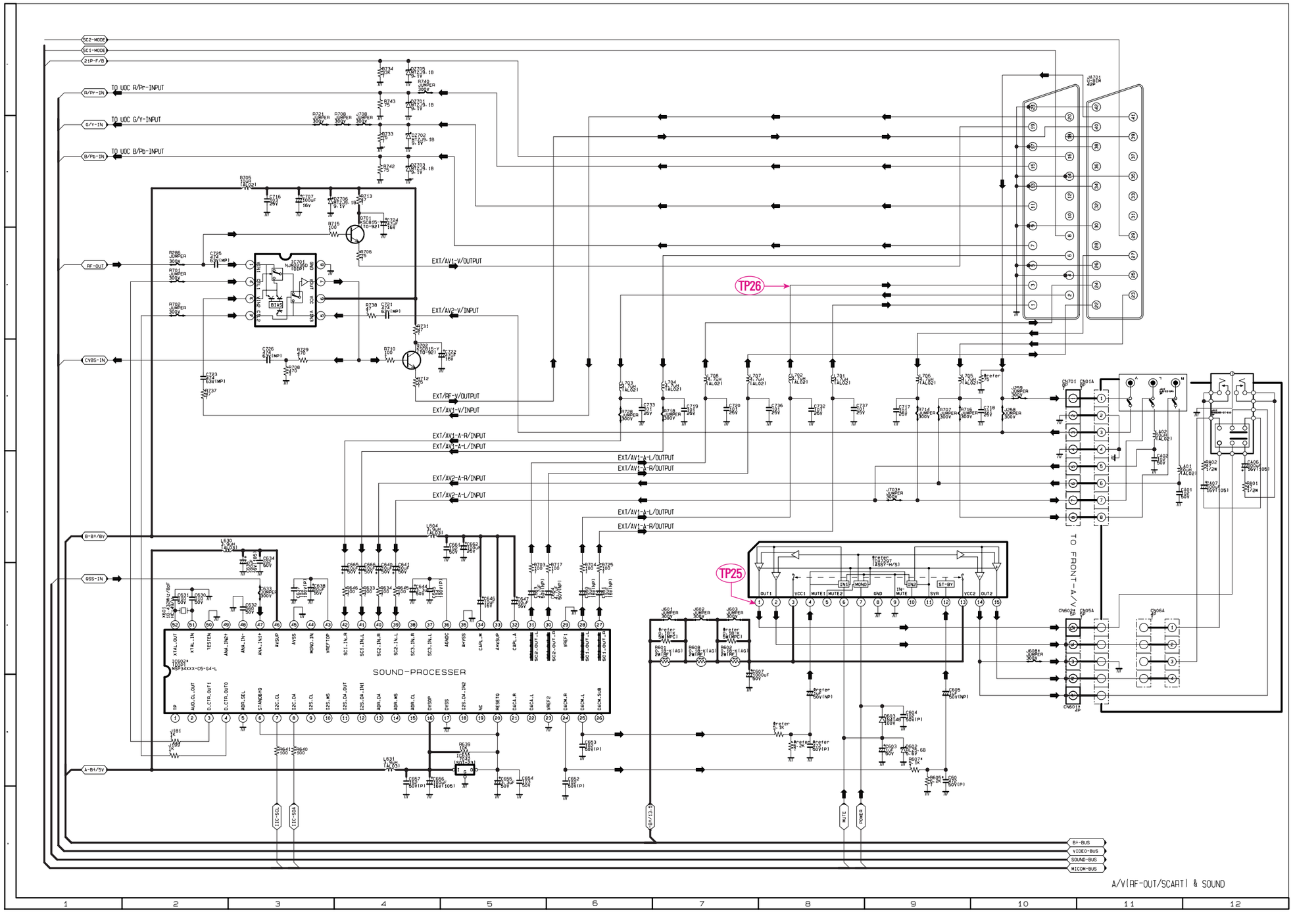
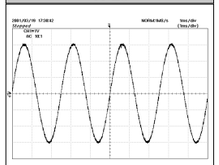
G/Y-IN
B/Pb-IN
R/Pr-IN
RF-OUT
CVBS-IN
TO UOC G/Y-INPUT
TO UOC B/Pb-INPUT
TO UOC R/Pr-INPUT
TP26
EXT/AV2-V/INPUT
EXT/MNT-V/OUTPUT
EXT/AV1-V/INPUT
EXT/AV1-A-R/INPUT
EXT/AV1-A-L/INPUT
EXT/AV2-A-R/INPUT
EXT/AV2-A-L/INPUT
EXT/MNT-A-R/OUTPUT
EXT/MNT-A-L/OUTPUT
JA202
CJ18-59-12G
3PIN
DVD SIGNAL INPUT
TERMINAL
Y
Pb
Pr
S-VIDEO
AUDIO
OUT
IN
AV2
AV1
JA201
CJ18-09-09A
JACK-RCA
TP25
SOUND-PROCESSER
TO FRONT-A/V
B-B+/8V
A-B+/5V
SSS-IN
I2C-SCL
I2C-SDA
MUTE
POWER
B+-BUS
VIDEO-BUS
SOUND-BUS
MICOM-BUS
A/V(Monitor-OUT/RCA) & SOUND


TP25
TP26

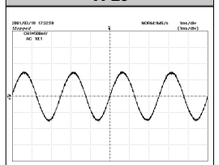
10-4 MAIN 4



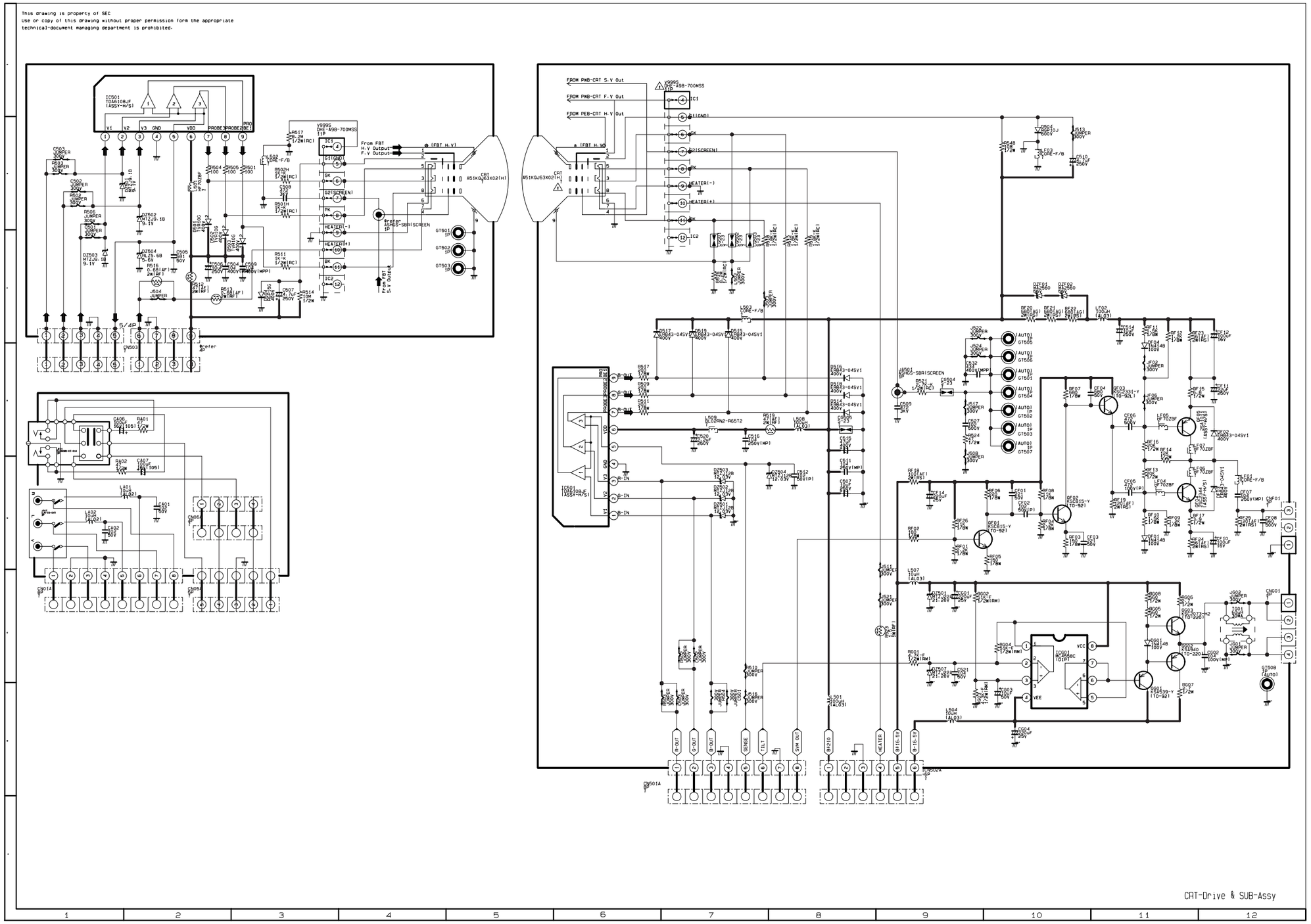
TP25



TP26



10-5 MAIN 5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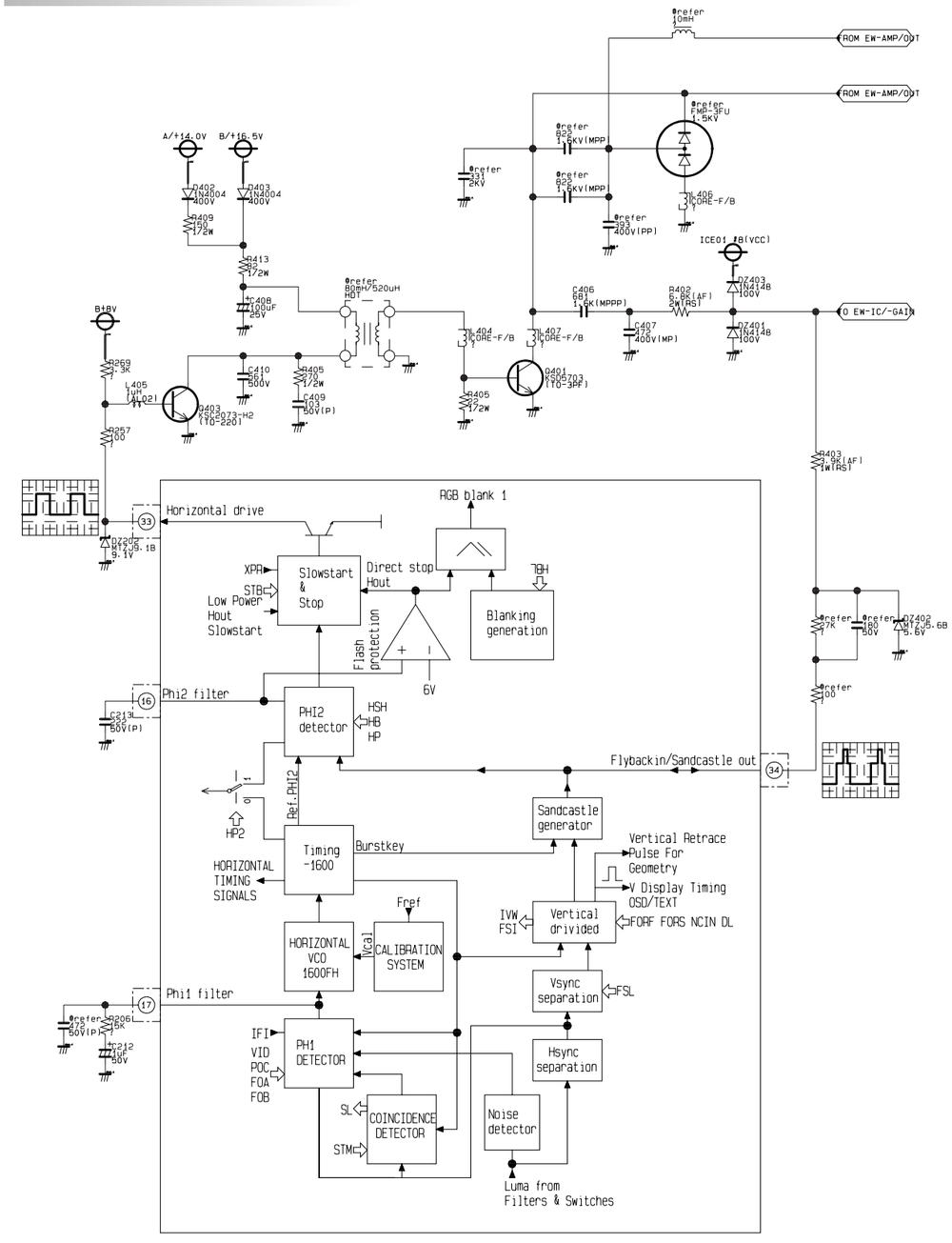
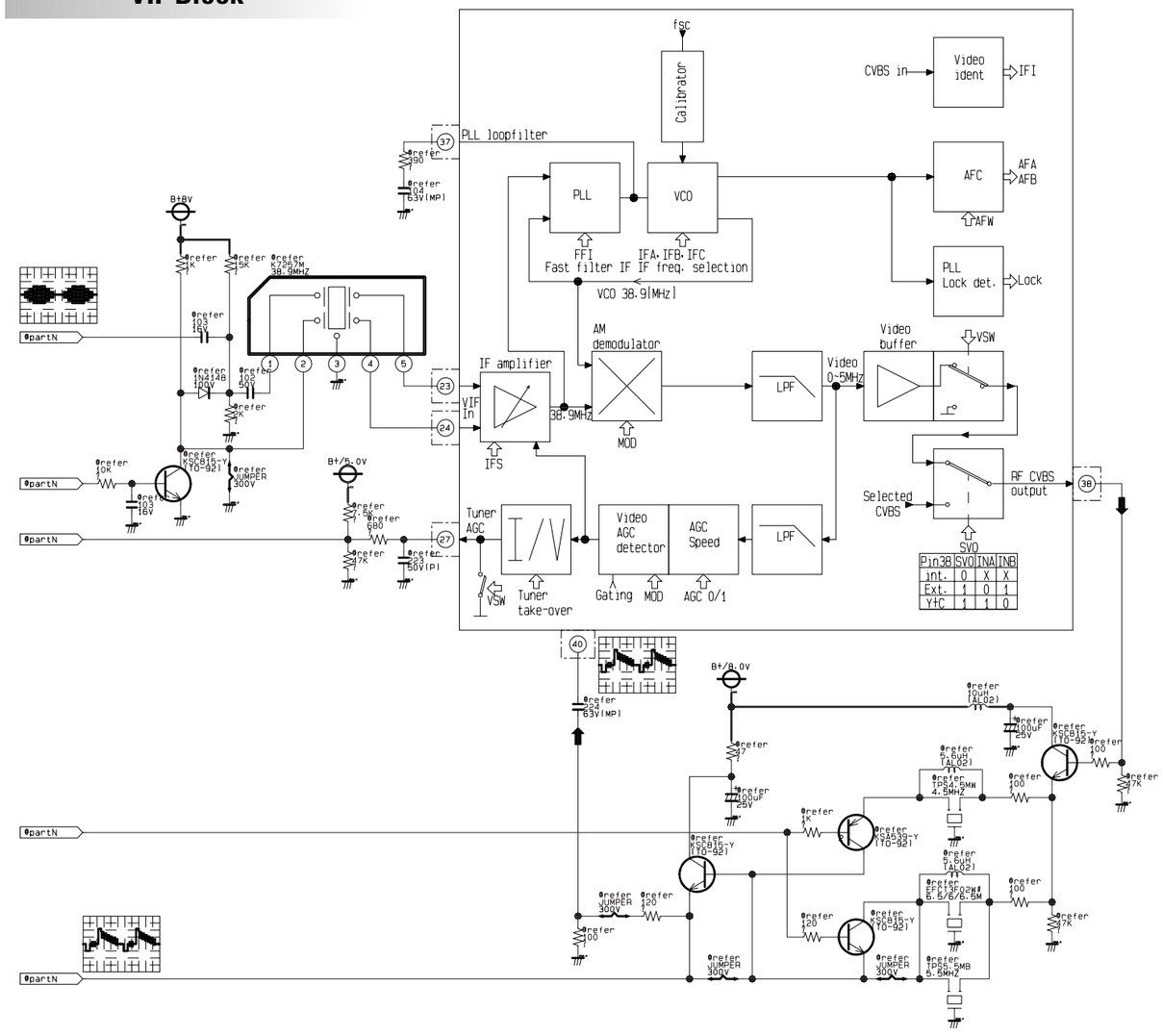
IC501
TDA6108JF
(ASSY-H/S)
V1
V2
V3
GND
VDD
PROBE1
PROBE2
PROBE3
FROM PWB-CRT S.V Out
FROM PWB-CRT F.V Out
FROM PEB-CRT H.V Out
From FBT
H.V Output
F.V Output
FROM FBT
S.V OUTPUT
CRT
A51KQJ63X02(H)
CN501A
CN501B
CN502
CN503
CN504
CN505
CN506
CN507
R-OUT
G-OUT
B-OUT
SENSE
TILT
SW OUT
HEATER
B+16.5V
B+210
CRT-Drive & SUB-Assy

10-6 HORIZANTAL BLOCK, VIF BLOCK

Horizantal Block



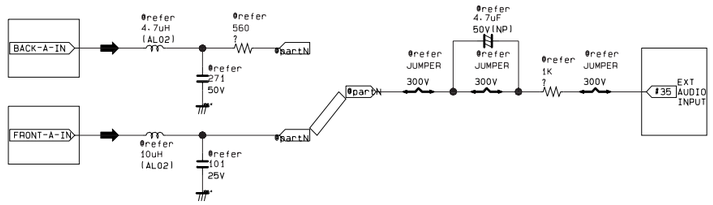
VIF Block



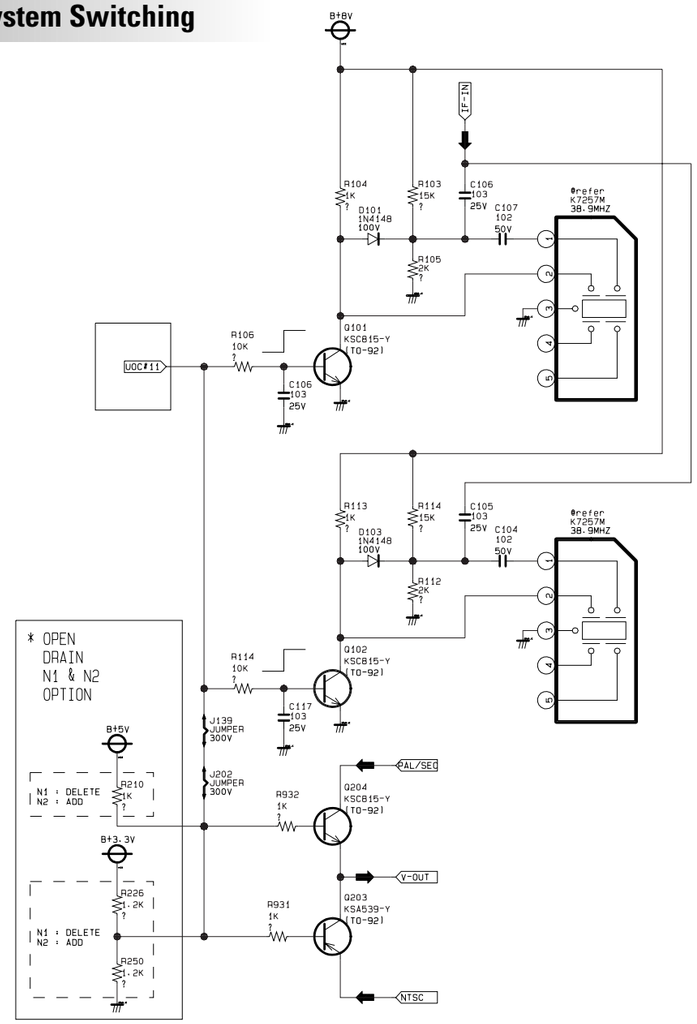
Pin38	SVO	INA	INB
int.	0	X	X
Ext.	1	0	1
Y+C	1	1	0

10-7 AUDIO SWITCHING, SYSTEM SWITCHING, SIF BLOCK

Audio Switching



System Switching



SIF Block